

Edition July 2006

**Published by
Infineon Technologies AG
81726 München, Germany**

**© Infineon Technologies AG 2006.
All Rights Reserved.**

Legal Disclaimer

The information given in this document shall in no event be regarded as a guarantee of conditions or characteristics ("Beschaffenheitsgarantie"). With respect to any examples or hints given herein, any typical values stated herein and/or any information regarding the application of the device, Infineon Technologies hereby disclaims any and all warranties and liabilities of any kind, including without limitation warranties of non-infringement of intellectual property rights of any third party.

Information

For further information on technology, delivery terms and conditions and prices please contact your nearest Infineon Technologies Office (www.infineon.com).

Warnings

Due to technical requirements components may contain dangerous substances. For information on the types in question please contact your nearest Infineon Technologies Office.

Infineon Technologies Components may only be used in life-support devices or systems with the express written approval of Infineon Technologies, if a failure of such components can reasonably be expected to cause the failure of that life-support device or system, or to affect the safety or effectiveness of that device or system. Life support devices or systems are intended to be implanted in the human body, or to support and/or maintain and sustain and/or protect human life. If they fail, it is reasonable to assume that the health of the user or other persons may be endangered.

Introduction

We are pleased to present the updated Product Catalog for Distribution 2006/2007. This catalog outlines the full range of semiconductors available from Infineon Technologies through our distribution channel.

Reflecting the depth and range of our offering, this overview extends from communication devices and microcontrollers through power semiconductors and discretes to sensors and security solutions. For fast and easy reference, we have kept technical details to a minimum and added an overview of all device names and order codes at the back. Please refer to our data sheets, data books and user's manuals if you require in-depth technical data on a given product.

We work closely with our distributors to ensure that these products are available for rapid delivery. However, please be aware that individual distributors may not necessarily be authorized to offer the entire range of products outlined in this catalog. The choice of products held in stock and available for delivery is entirely at the discretion of the individual distributor. Please note that most products listed in this overview are RoHS-compliant. However, please check the actual status and availability with your distributor. Similarly, Infineon does not assume responsibility for the accuracy or completeness of the information contained in this overview.

For general information, please visit www.infineon.com.

For a complete list of our distribution partners, please go to www.infineon.com/distribution.

Explanation of Symbols

- ▼ Newly included components
- Components not suitable for new design
- ◆ Products available through dedicated distributors
- SMD (**S**urface **M**ounted **D**eVICES)
gray lines indicate SMDs
- ® Registered trademark
- ™ Trademark

AUDO1™, EiceDRIVER™, FlexiSLIC™, 10BaseS™, SCOUT™, CoreControl™, CoolMOS™, CoolSET™, CCTop™, Harrier™-XT, TriCore™, TrilithIC™, NovalithIC™, thinQ™, TE3-LIU™, DuoPack™, EmCon™, QuadLIU™, OctaLIU™, OctaFRAMER™, my-d vicinity™, my-d proximity™, SmartMask™ are trademarks of Infineon Technologies.

ABM®, ACE®, ARCOFI®, Bluetooth®, EPIC®, SICOFI®, SLICOFI®, SLIC®, T-SLIC®, DuSLIC®, IDEC®, IWE®8, IWORX®, INCA®, FALC®54/-56/-LH, T3-FALC®, DualFALC®, QuadFALC®, OctaFALC®, ISAC®, ITAC®, SOCRATES®, QUAT®, OAK®, SIPMOS®, OptiMOS®, GOLDMOS®, PROFET®, HITFET®, TEMPFET®, IOM®, Q-SMINT®, T-SMINT®, ELIC®, OCTAT®, VINETIC®, VINETICOS®, MOST® are registered trademarks of Infineon Technologies.

MIFARE® is a registered trademark of Philips Electronics N.V.

I²C Bus

Purchase of Infineon Technologies I²C components conveys the license under the Philips I²C patent to use the components in the I²C system provided the system, conforms to the I²C specifications defined by Philips.

Contents

Communication		
Wired Communication	7	1
Wireless Communication	21	
Microcontrollers		
Microcontrollers, 32-bit	26	2
Microcontrollers, 16-bit	28	
Microcontrollers, 8-bit	46	
Power Semiconductors		
Power Transistors Low Voltage MOSFETs	51	3
Power Transistors High Voltage MOSFETs	68	
IGBT Power Transistors	74	
Power Diodes	79	
Smart Power Switches	81	
Smart Power Bridges	88	
Voltage Regulators	90	
Transceivers	94	
Specific Automotive ICs	95	
DC/DC Control ICs	96	
Smart Lighting Control ICs	96	
Power Control ICs	97	
Function and Industrial ICs	101	
Silicon Discretes Components		
AF Semiconductors	103	4
RF Semiconductors	121	
Sensors		
Pressure Sensors	133	5
Temperature Sensors	133	
Hall ICs	134	
Angular Rate Sensors	134	
Wireless Control	135	
Chip Card + Security ICs		
Smart Card Controllers	137	6
Smart Card Memories	140	
Contactless Products	141	
Plastic Optical Fiber Components		
Plastic Fiber Components	144	7
Summary of Types	146	8

Communication

1

Wired Communication	7
Wireless Communication	21

Type	Ordering Code	Package	Description
Wired Communication Broadband Access			
Symmetrical DSL			
▼ PEF 21624 E V1.2-G	SP000054059	P-LBGA-324-2	SOCRATES® (SDFE-1): 2nd. generation symmetrical DSL front end with 1-channel for TDM applications, tray
▼ PEF 22624 E V1.3-G	SP000081099	PG-LBGA-324-2	SOCRATES® (SDFE-2): 2nd. generation symmetrical DSL front end with 2-channel for TDM applications, tray
▼ PEF 24624 E V2.1-G	SP000208961	PG-LBGA-324-2	SOCRATES® (SDFE-4): 2nd. generation symmetrical DSL front end with 4-channel for TDM applications, tray
▼ PEF 24624 E V2.1-G	SP000223350	PG-LBGA-324-2	SOCRATES® (SDFE-4): 2nd. generation symmetrical DSL front end with 4-channel for TDM applications, tape & reel
▼ PEF 24625 E V1.2-G	SP000054060	PG-BGA-484-1	SOCRATES® (SDC-16i): 2nd. generation symmetrical DSL controller for 16-channels and IMA (SDC-16i). Only available as part of SOCRATES®-16Bis chipset, which consists of 1 x PEF24625 (SDC-16i) + 4 x PEF 24624 (SDFE-4), tray
▼ PEF 24625 E V1.2-G	SP000223349	PG-BGA-484-1	SOCRATES® (SDC-16i): 2nd. generation symmetrical DSL controller for 16-channels and IMA (SDC-16i). Only available as part of SOCRATES®-16Bis chipset, which consists of 1x PEF24625 (SDC-16i) + 4 x PEF 24624 (SDFE-4), tape & reel
▼ PEF 21628 E V1.1-G	SP000213076	PG-LBGA-324-2	SOCRATES® (SOCRATES®-1e): 3rd. generation EFM-(Ethernet First Mile) symmetrical DSL transceiver with 1-channel for IP, ATM, TDM applications, tray
▼ PEF 22628 E V1.1-G	SP000213077	PG-LBGA-324-2	SOCRATES® (SOCRATES®-2e): 3rd. generation EFM-(Ethernet First Mile) symmetrical DSL transceiver with 2-channel for IP, ATM, TDM applications, tray
▼ PEF 24628 E V1.1-G	SP000085010	PG-LBGA-324-2	SOCRATES® (SOCRATES®-4e): 3rd. generation EFM-(Ethernet First Mile) symmetrical DSL transceiver with 4-channel for IP, ATM, TDM applications, tray
▼ PEF 21627 E V1.1-G	SP000218166	PG-LBGA-324-2	SOCRATES® (SOCRATES®-1U): 3rd. generation symmetrical DSL front end with 1-channel for ATM, TDM, IP applications, tray
▼ PEF 22627 E V1.1-G	SP000218168	PG-LBGA-324-2	SOCRATES® (SOCRATES®-2U): 3rd. generation symmetrical DSL front end with 2-channel for ATM, TDM, IP applications, tray
▼ PEF 24627 E V1.1-G	SP000208962	PG-LBGA-324-2	SOCRATES® (SOCRATES®-4U): 3rd. generation symmetrical DSL front end with 4-channel for ATM, TDM, IP applications, tray
▼ EASY SDFE-2	SP000008138	—	SOCRATES® (SDFE-2): Evaluation board for PEF 22624 (SDFE-2)
▼ EASY SDFE-4	SP000008101	—	SOCRATES® (SDFE-4): Evaluation board for PEF 24624 (SDFE-4)
▼ EASY 24624 MII	SP000008100	—	SOCRATES® (SDC-16i): Evaluation board for PEF 24625 (SDC16i)
▼ EASY 24624 TDM	SP000007925	—	SOCRATES®: TDM module for EASY 24624 MII. This optional board gives TDM connection to EASY 24624 MII for testing purposes
▼ EASY 24628 MII	SP000089850	—	SOCRATES® (SOCRATES®-4e): Evaluation board for PEF 24628
▼ EASY 24628 UTOPIA	SP000244336	—	SOCRATES® (SOCRATES®-4e): Evaluation board for PEF 24628

SMD = Surface Mounted Device

Type	Ordering Code	Package	Description
------	---------------	---------	-------------

Wired Communication Broadband Access

ADSL

▼ PSB 50510 E V1.3-G	SP000068030	PG-LBGA-256-1	AMAZON-M: Single Chip ADSL/2/2+ cpe solution with integrated analog front end (AFE) and line driver (LD). 3-port switch, PCI, 1xMII, 1 x TP, tray
▼ PSB 50505 E V1.3-G	SP000223783	PG-LBGA-256-1	AMAZON-ME: Single Chip ADSL/2/2+ cpe solution with integrated analog front end (AFE) and line driver (LD). 3-port switch, PCI, 2xMII, tape & reel
▼ PSB 50505 E V1.3-G	SP000068029	PG-LBGA-256-1	AMAZON-ME: Single Chip ADSL/2/2+ cpe solution with integrated analog front end (AFE) and line driver (LD). 3-port switch, PCI, 2xMII, tray
▼ PSB 50501 EL V1.2-G	SP000053494	PG-LFBGA-200-1	AMAZON-E: Two Chip ADSL/2/2+ solution PSB 50530 (AFE) + PSB 50501 (DFE). 3-port switch, 2xMII, tray
▼ PSB 50530 F V1.2	SP000017986	PG-TQFP-64-1	AMAZON-E: Two Chip ADSL/2/2+ cpe solution PSB 50530 (AFE) + PSB 50501 (DFE). 3-port switch, 2xMII, tray
▼ EASY50505 A V3.0	SP000234787	—	AMAZON-ME: Evaluation board for PSB 50505, annex A
▼ EASY50505 B V3.0	SP000234788	—	AMAZON-ME: Evaluation board for PSB 50505, annex B
▼ EASY50501 A	SP000069367	—	AMAZON-E: Evaluation board for PSB 50501 + PSB 50530, annex A
▼ EASY50501 B	SP000069368	—	AMAZON-E: Evaluation board for PSB 50501 + PSB 50530, annex B

VDSL2

▼ PEB 83000 E V1.3-G	SP000201760	PG-LBGA-483-1	VINAX-CPE: Single chip VDSL2 cpe solution with integrated analog front end (AFE) and line driver (LD)
▼ EASY 83000 CPE	SP000215341	—	VINAX-CPE: Evaluation board for PEB 83000
▼ EASY 83000 HOSTLESS	SP000104531	—	VINAX-CPE: Evaluation board for PEB 83000

SMD = Surface Mounted Device

Type	Ordering Code	Package	Description
Wired Communication Core Access			
T/E Carrier			
E1/T1/J1			
▼ PEF 2256 H V2.2-G	SP000057074	PG-LBGA-81-1	FALC56 [®] : Single channel T1/E1/J1 framer, line interface unit (LIU) and signaling controller for long- and short- haul applications, tray
▼ PEF 22552 E V1.1-G	SP000065628	PG-LBGA-160-1	DualFALC [®] : Dual channel E1/T1/J1 framer, line interface unit (LIU) and signaling controller for long- and short- haul applications, tray
▼ PEF 22554 E V3.1-G	SP000074240	PG-LBGA-160-1	QuadFALC [®] : Quad channel E1/T1/J1 framer, line interface unit (LIU) and signaling controller for long- and short- haul applications, tray
▼ PEF 22554 HT V3.1	SP000064070	PG-TQFP-144-2	
PEF 22558 E V1.1-G	SP000008139	PG-LBGA-256-1	OctalFALC [®] : Octal channel E1/T1/J1 framer, line interface unit (LIU) and signaling controller for long- and short- haul applications, tray
▼ PEF 22504 E V2.1-G	SP000081770	PG-LBGA-160-1	QuadLIU [™] : Quad channel E1/T1/J1 line interface unit (LIU) for long- and short- haul applications, tray
▼ PEF 22504 HT V2.1	SP000209867	PG-TQFP-144-2	
▼ PEF 22508 E V1.1-G	SP000029953	PG-LBGA-256-1	OctalLIU [™] : Octal channel E1/T1/J1 line interface unit (LIU) for long- and short- haul applications, tray
▼ PEF 22508 E V1.1-G	SP000223351	PG-LBGA-256-1	OctalLIU [™] : Octal channel E1/T1/J1 line interface unit (LIU) for long- and short- haul applications, tape & reel
▼ PEF 22557 E V1.1-G	SP000055478	PG-LBGA-256-1	OctalFRAMER [™] : Octal channel E1/T1/J1 framer, tray
▼ EASY 2256 E V2.2	SP000106013	—	FALC56 [®] : Evaluation board for PEF 2256
▼ EASY 22552	SP000202849	—	DualFALC [®] : Evaluation board for PEF 22552
EASY 22554 V3.1	SP000007919	—	QuadFALC [®] : Evaluation board for PEF 22554
EASY 22558	SP000053860	—	OctalFALC [®] : Evaluation board for PEF 22558
▼ EASY 22504	on request	—	QuadLIU [™] : Evaluation board for PEF 22504
▼ EASY 22508	SP000202361	—	OctalLIU [™] : Evaluation board for PEF 22508
E3/T3			
▼ PEB 3445 E V2.1-G	SP000226333	PG-BGA-272-1	TE3-MUX: DS3 framer with M13 multiplexer, 0°C to 70°C, tray
▼ PEF 3445 E V2.1-G	SP000226334	PG-BGA-272-1	TE3-MUX: DS3 framer with M13 multiplexer, -40°C to 85°C, tray
▼ PEF 3460 E V1.2-G	SP000088005	PG-BGA-272-4	TE3-FALC [®] : Integrated DS3/E3 framer and T3/E3 line interface unit (LIU) for ATM, Frame Relay and PPP/IP, tray
PEF 3452 H V1.3	SP000007643	PG-MQFP-44-2	TE3-LIU [™] : Single channel line interface unit (LIU) for DS3, STS-1 and E3 applications, tray
▼ EASY 3445 V1.2	SP000007930	—	TE3-MUX: Evaluation board for PEB/PEF 3445 (TE3-MUX)
▼ EASY 3460	SP000007932	—	TE3-FALC [®] : Evaluation board for PEF 3460 (TE3-FALC [®])
▼ EASY 3452 V1.2	SP000007947	—	TE3-LIU [™] : Evaluation board for PEF 3452 (TE3-LIU [™])

SMD = Surface Mounted Device

Type	Ordering Code	Package	Description
Wired Communication Core Access			
HDLC Controller			
PEB 20525 F V1.3	SP000007591	PG-TQFP-100-1	SEROCCO-H: Two channel serial optimized communication controller for HDLC and PPP. Full duplex data rates on each channel up to 12.5 Mbit/s, 0°C to 85°C, tray
▼ PEF 20525 F V1.3	SP000225720	PG-TQFP-100-1	SEROCCO-H: Two channel serial optimized communication controller for HDLC and PPP. Full duplex data rates on each channel up to 12.5 Mbit/s, -40°C to 85°C, tape & reel
PEF 20525 F V1.3	SP000007592	PG-TQFP-100-1	SEROCCO-H: Two channel serial optimized communication controller for HDLC and PPP. Full duplex data rates on each channel up to 12.5 Mbit/s, -40°C to 85°C, tray
PEB 20532 F V1.3	SP000007512	PG-TQFP-100-1	SEROCCO-M: Two channel serial optimized communication controller for HDLC and PPP. Full duplex data rates on each channel up to 12.5 Mbit/s, 0°C to 85°C, tray
PEF 20532 F V1.3	SP000007511	PG-TQFP-100-1	SEROCCO-M: Two channel serial optimized communication controller for HDLC and PPP. Full duplex data rates on each channel up to 12.5 Mbit/s, -40°C to 85°C, tray
PEB 20542 F V1.3	SP000007633	PG-TQFP-144-2	SEROCCO-D: Two channel serial optimized communication controller for HDLC and PPP. Full duplex data rates on each channel up to 16 Mbit/s. Integrated DMA controller with 4 independent DMA channels, 0°C to 85°C, tray
PEF 20542 F V1.3	SP000007634	PG-TQFP-144-2	SEROCCO-D: Two channel serial optimized communication controller for HDLC and PPP. Full duplex data rates on each channel up to 16 Mbit/s. Integrated DMA controller with 4 independent DMA channels, -40°C to 85°C, tray
▼ PEB 20256 E V2.2	SP000205442	PG-BGA-388-2	MUNICH256: Multichannel network interface controller for HDLC/PPP with 256 channels and on-chip data management unit, tray
EASY 20525 V1.1	SP000007914	—	SEROCCO-H: Evaluation board for PEB/PEF 20525
EASY 20532 V1.1	SP000007915	—	SEROCCO-M: Evaluation board for PEB/PEF 20532
EASY 20542 V1.1	SP000007916	—	SEROCCO-D: Evaluation board for PEB/PEF 20542
EASY 256 V1.1	SP000007944	—	MUNICH256: Evaluation board for PEB 20256
EASY 256 E 1T1 V1.1	SP000007945	—	MUNICH256: Reference design for PEB 20256 and PEF 22554 (MUNICH256/QuadFALC®)

**Interworking Products
ATM to Time Slot**

PXB 4219 E V3.4-G	SP000223294	PG-BGA-256-1	IWE8® CMAP: Interworking element between 8 E1/T1 lines and ATM, tray
▼ PXB 4220 E V3.4-G	SP000017873	PG-BGA-256-1	IWE8®: Interworking element between 8 E1/T1 lines and ATM, tray
▼ PXB 4221 E V3.4-G	SP000017875	PG-BGA-256-1	IWE8®: Interworking element between 8 E1/T1 lines and ATM, tray
▼ PXF 4222 E V1.3-G	SP000017876	PG-BGA-388-2	IWORX®-P: Next generation interworking controller between ATM and PDH, tray
▼ PXF 4225 E V1.3-G	SP000017877	PG-BGA-388-2	IWORX®: Interworking controller between ATM and PDH, tray
EASY 4220	on request	—	IWE8®: Reference design for PXF 4220
EASY 4222	on request	—	IWORX-P®: Reference design for PXF 4222
EASY 4225	on request	—	IWORX®: Reference design for PXF 4225

SMD = Surface Mounted Device

Type	Ordering Code	Package	Description
Wired Communication Voice Access			
VoIP			
▼ PEB 3331 HT V2.1	SP000232901	PG-TQFP-100-1	VINETIC®-1CPE: Single channel codec and VoIP DSP, G.729, G.723.1, iLBC, LEC, T.38, RTP (with patent indemnification fees for vocoders), 0°C to 85°C, tray
▼ PEB 3331 HT V2.1	SP000083520	PG-TQFP-100-1	VINETIC®-1CPE: Single channel codec and VoIP DSP, G.729, G.723.1, iLBC, LEC, T.38, RTP (without patent indemnification fees for vocoders), 0°C to 85°C, tray
▼ PEB 3331 F V2.1	SP000083521	PG-TQFP-64-1	VINETIC®-1CPE: Single channel codec and VoIP DSP, G.729, G.723.1, iLBC, LEC, T.38, RTP (without patent indemnification fees for vocoders), 0°C to 85°C, tape & reel
▼ PEB 3332 F V2.1	SP000065273	PG-TQFP-64-1	VINETIC®-2CPE: Single channel codec and VoIP DSP, G.729, G.723.1, iLBC, LEC, T.38, RTP (without patent indemnification fees for vocoders), 0°C to 85°C, tray
▼ PEB 3332 HT V2.1	SP000224283	PG-TQFP-100-1	VINETIC®-2CPE: Single channel codec and VoIP DSP, G.729, G.723.1, iLBC, LEC, T.38, RTP (without patent indemnification fees for vocoders), 0°C to 85°C, tape & reel
▼ PEF 3332 HT V2.1	SP000229576	PG-TQFP-100-1	VINETIC®-2CPE: Single channel codec and VoIP DSP, G.729, G.723.1, iLBC, LEC, T.38, RTP (with patent indemnification fees for vocoders), -40°C to 85°C, tray
▼ PEB 3332 F V2.1	SP000065272	PG-TQFP-64-1	VINETIC®-2CPE: Single channel codec and VoIP DSP, G.729, G.723.1, iLBC, LEC, T.38, RTP (without patent indemnification fees for vocoders), 0°C to 85°C, tape & reel
▼ PEB 3342 HT V2.1	SP000201618	PG-TQFP-100-9	VINETIC®-2ATA: Dual channel codec and VoIP DSP, G.729, G.723.1, iLBC, LEC, T.38, RTP (without patent indemnification fees for vocoders), 0°C to 85°C, tray
PEB 3324 E V1.4-G	SP000108018	PG-LBGA-176-3	VINETIC®-4VIP: Four channel codec and VoIP DSP, G.723, G.729, G.728, T.38 fax relay, LEC, AAL2 and RTP (without patent indemnification fees for vocoders), 0°C to 85°C, tray
PEB 3324 HL V1.4	SP000008031	PG-LQFP-176-2	
▼ PEB 3324 HL V1.4 PE	SP000017214	PG-LQFP-176-2	VINETIC®-4VIP: Four channel codec and VoIP DSP, G.723, G.729, G.728, T.38 fax relay, LEC, AAL2 and RTP (with patent indemnification fees for vocoders), large packing unit 240 pcs, 0°C to 85°C, tray
▼ PEB 3324 HL V1.4 PE	SP000017208	PG-LQFP-176-2	VINETIC®-4VIP: Four channel codec and VoIP DSP, G.723, G.729, G.728, T.38 fax relay, LEC, AAL2 and RTP (with patent indemnification fees for vocoders), large packing unit 40 pcs, 0°C to 85°C, tray
▼ PEB 3340 HT V2.1	SP000201482	PG-TQFP-100-9	VINETIC®-CL: Two channel VoIP DSP with PCM interface, G.729, G.723.1, iLBC, LEC, T.38, RTP (without patent indemnification fees for vocoders), 0°C to 85°C, tray
▼ PEF 3314 HL V2.2	SP000018270	PG-LQFP-176-2	VINETIC®-4M: Four channel codec with VoIP DSP for G.728, AAL2 and RTP (without patent indemnification fees for vocoders), -40°C to 85°C, tray
▼ PEF 3314 EL V2.2-G	SP000053926	PG-LBGA-144-1	
▼ PEF 3314 E V2.2-G	SP000068753	PG-LBGA-176-2	
EASY 334	SP000007929	—	VINETIC®-4VIP: Evaluation board for PEB 3324. Evaluation board includes 1 x EASY 334 + 2 x SMART 4265 (SLIC-E)

SLIC + Codec

▼ PEF 3394 HL V2.2	SP000231959	PG-LQFP-176-2	VINETIC®-4C: Fully programmable 4-channel CODEC with voice processing DSP, enhanced feature set, large packing unit 240 pcs, -40°C to 85°C, tray
▼ PEF 3394 HL V2.2	SP000018278	PG-LQFP-176-2	VINETIC®-4C: Fully programmable 4-channel CODEC with voice processing DSP, enhanced feature set, large packing unit 40 pcs, -40°C to 85°C, tray
▼ PEF 3394 EL V2.2-G	SP000212320	PG-LBGA-144-1	VINETIC®-4C: Fully programmable 4-channel CODEC with voice processing DSP, enhanced feature set, large packing unit 160 pcs, -40°C to 85°C, tray
▼ PEF 3394 EL V2.2-G	SP000053927	PG-LBGA-144-1	VINETIC®-4C: Fully programmable 4-channel CODEC with voice processing DSP, enhanced feature set, large packing unit 960 pcs, -40°C to 85°C, tray

SMD = Surface Mounted Device

Type	Ordering Code	Package	Description
Wired Communication Voice Access			
SLIC + Codec (cont'd)			
▼ PEF 3304 EL V2.1-G	SP000223348	PG-LBGA-144-1	VINETIC®-4S: Fully programmable 4-channel CODEC with voice processing DSP, standard feature set, -40°C to 85°C, tape & reel
▼ PEF 3304 EL V2.1-G	SP000054559	PG-LBGA-144-1	VINETIC®-4S: Fully programmable 4-channel CODEC with voice processing DSP, standard feature set, -40°C to 85°C, tray
▼ PEF 3304 HL V2.1	SP000053496	PG-LQFP-176-2	
▼ PEF 3304 E V2.1-G	SP000053495	PG-LBGA-176-3	
▼ PEB 3165 F V1.1	SP000008162	PG-TQFP-64-1	SLICOFI®-1 (DuSLIC®): Single channel subscriber line interface codec filter, enhanced feature set, 0°C to 85°C, tape & reel
▼ PEB 3164 F V1.1	SP000222941	PG-TQFP-64-1	SLICOFI®-1S (DuSLIC®): Single channel subscriber line interface codec filter, enhanced feature set, 0°C to 85°C, tape & reel
▼ PEB 3164 F V1.1	SP000008146	PG-TQFP-64-1	SLICOFI®-1S (DuSLIC®): Single channel subscriber line interface codec filter, enhanced feature set, 0°C to 85°C, tray
PEB 3265 F V1.5	SP000007818	PG-TQFP-64-1	SLICOFI®-2 (DuSLIC®): Single channel subscriber line interface codec filter, enhanced feature set, 0°C to 85°C, tape & reel
PEB 3265 F V1.5	SP000007817	PG-TQFP-64-1	SLICOFI®-2 (DuSLIC®): Single channel subscriber line interface codec filter, enhanced feature set, 0°C to 85°C, tray
PEB 3264 F V1.4	SP000007820	PG-TQFP-64-1	SLICOFI®-2S (DuSLIC®): Single channel subscriber line interface codec filter, enhanced feature set, 0°C to 85°C, tape & reel
PEB 3264 F V1.4	SP000007819	PG-TQFP-64-1	SLICOFI®-2S (DuSLIC®): Single channel subscriber line interface codec filter, enhanced feature set, 0°C to 85°C, tray
▼ PEB 2466 H V2.2	SP000007516	PG-MQFP-64-1	SICOFI®-4µC (SICOFI® + FlexiSLIC™): Four channel codec filter with PCM and microcontroller interface, large packing unit 84 pcs, 0°C to 85°C, tray
PEB 2466 H V2.2	SP000007517	PG-MQFP-64-1	SICOFI®-4µC (SICOFI® + FlexiSLIC™): Four channel codec filter with PCM and microcontroller interface, 0°C to 85°C, tape & reel
PEF 2466 H V2.2	SP000007776	PG-MQFP-64-1	SICOFI®-4µC (SICOFI® + FlexiSLIC™): Four channel codec filter with PCM and microcontroller interface, -40°C to 85°C, tape & reel
▼ PEB 2466 H V2.2	SP000007515	PG-MQFP-64-1	SICOFI®-4µC (SICOFI® + FlexiSLIC™): Four channel codec filter with PCM and microcontroller interface, large packing unit 504 pcs, 0°C to 85°C, tray
PBL 38620/2 SOA	SP000017252	PG-DSO-24-8	PBL38620 (SICOFI® + FlexiSLIC™): Subscriber line interface circuit (SICOFI-4µC + PBL 38620), -40°C to 85°C, tape & reel
PBL 38620/2 SHA	SP000007870	P-SSOP-24-1	
PBL 38620/2 SOT	SP000007890	PG-DSO-24-8	
PBL 38620/2 QNA	SP000017950	PG-LCC-28-3	
PBL 38621/2 SOA	SP000016951	P-DSO-24-8	PBL38621 (SICOFI® + FlexiSLIC™): Subscriber line interface circuit (SICOFI-4µC + PBL 38621), -40°C to 85°C, tape & reel
PBL 38621/2 SHA	SP000007871	PG-SSOP-24-1	
PBL 38621/2 SOT	SP000007895	P-DSO-24-8	
PBL 38621/2 QNA	SP000017951	P-LCC-28-3	
PBL 38621/2 QNS	SP000007891	P-LCC-28-2	PBL38621 (SICOFI®+FlexiSLIC™): Subscriber line interface circuit (SICOFI-4µC + PBL 38621), -40°C to 85°C, pre-pack
PBL 38630/2 SOA	SP000017739	P-DSO-24-8	PBL38630 (SICOFI® + FlexiSLIC™): Subscriber line interface circuit (SICOFI-4µC + PBL 38630), -40°C to 85°C, tape & reel
PBL 38630/2 SOT	SP000007899	P-DSO-24-8	
PBL 38630/2 QNA	SP000017952	P-LCC-28-3	
PBL 38630/2 QNT	SP000007897	P-LCC-28-3	
PBL 38630/2 SOS	SP000007898	P-DSO-24-8	PBL38630 (SICOFI® + FlexiSLIC™): Subscriber line interface circuit (SICOFI-4µC + PBL 38630), -40°C to 85°C, pre-pack
PBL 38640/2 SOA	SP000016952	P-DSO-24-8	PBL38640 (SICOFI® + FlexiSLIC™): Subscriber line interface circuit (SICOFI-4µC + PBL 38640), -40°C to 85°C, tape & reel
PBL 38640/2 SOT	SP000007903	P-DSO-24-8	
PBL 38640/2 QNT	SP000007901	P-LCC-28-3	
PBL 38640/2 QNA	SP000017953	P-LCC-28-3	
PBL 38650/2 QNT	SP000007905	P-LCC-28-3	PBL38650 (SICOFI® + FlexiSLIC™): Subscriber line interface circuit (SICOFI-4µC + PBL 38650), -40°C to 85°C, tape & reel
PBL 38650/2 QNA	SP000017954	P-LCC-28-3	
PBL 38650/2 QNS	SP000007904	P-LCC-28-3	
			PBL38650 (SICOFI® + FlexiSLIC™): Subscriber line interface circuit (SICOFI-4µC + PBL 38650), -40°C to 85°C, pre-pack

SMD = Surface Mounted Device

Type	Ordering Code	Package	Description
Wired Communication Voice Access			
SLIC + Codec (cont'd)			
▼ PEB 4265 T V2.1	SP000101234	PG-DSO-20-5	SLIC-E (DuSLIC®): Subscriber line interface circuit, enhanced feature set, -40°C to 85°C, tape & reel
▼ PEB 4265 V V2.1	SP000101233	PG-VQFN-48-4	
▼ PEB 4265-2 V T V2.1	SP000206901	PG-DSO-20-5	SLIC-E2 (DuSLIC®): Subscriber line interface circuit, enhanced feature set, -40°C to 85°C, tape & reel
▼ PEB 4265-2 V V2.1	SP000102911	PG-VQFN-48-4	
PEF 4268 F V1.2	SP000211403	PG-TQFP-48-1	SLIC-DC (DuSLIC®): Subscriber line interface circuit, with integrated DC/DC converter, -40°C to 85°C, tape & reel
PEF 4268 F V1.2	SP000063679	PG-TQFP-48-1	SLIC-DC (DuSLIC®): Subscriber line interface circuit, with integrated DC/DC converter, -40°C to 85°C, tray
PEF 4268 T V1.2	SP000063678	PG-DSO-24-8	SLIC-DC (DuSLIC®): Subscriber line interface circuit, with integrated DC/DC converter, -40°C to 85°C, tape & reel
PEB 4266 V V1.2	SP000007763	PG-VQFN-48-4	SLIC-P (DuSLIC®): Subscriber line interface circuit, enhanced power management, 0°C to 85°C, tape & reel
PEB 4266 T V1.2	SP000007528	PG-DSO-20-5	
▼ PEF 4264 V V2.1	SP000231488	PG-VQFN-48-4	SLIC-S (DuSLIC®): Subscriber line interface circuit, standard feature set, -40°C to 85°C, tape & reel
▼ PEF 4264 T V2.1	SP000231489	PG-DSO-20-5	
▼ PEF 4264-2 V V2.1	SP000231405	PG-VQFN-48-4	SLIC-S2 (DuSLIC®): Subscriber line interface circuit, enhanced feature set, -40°C to 85°C, tape & reel
▼ PEB 4264-2 T V2.1	SP000231490	PG-DSO-20-5	
▼ PEF 4365 T V2.1	SP000099015	PG-DSO-36-15	TSLIC-E (DuSLIC®): Twin subscriber line interface circuit, enhanced feature set, -40°C to 85°C, tape & reel
PEB 4364 T V1.2	SP000007727	P-DSO-36-15	TSLIC-S (DuSLIC®): Twin subscriber line interface circuit, standard feature set, 0°C to 85°C, tube
PEB 4364 T V1.2	SP000007728	P-DSO-36-15	TSLIC-S (DuSLIC®): Twin subscriber line interface circuit, standard feature set, 0°C to 85°C, tape & reel
▼ PEB 4262 V V1.1	SP000008052	PG-VQFN-48-4	SLIC-LCP (DuSLIC®): Subscriber line interface circuit, for US market, 0°C to 85°C, tape & reel
▼ PEB 3268 F V1.1	SP000089806	PG-TQFP-100-9	DuSLIC®-SP: Dual channel subscriber line interface circuit in a single package, 0°C to 85°C, tray
EASY 3265	SP000008002	—	DuSLIC®: Tool package for DuSLIC® family. Tool package includes: 1 x SMART 3265 + 1 x SMART 4265 + 1 x SMART 2000
SMART 3265	SP000007987	—	DuSLIC®: Evaluation board for DuSLIC® family. Evaluation board includes: 1 x SMART 3265 + 1 x SMART 4265
EASY 2466	SP000055577	—	SICOFI® + FlexiSLIC™: Tool package for SICOFI® + FlexiSLIC™ family: Tool package includes: 1 x SMART 2466 + 2 x SMART 386x + 1 x SMART 2000
▼ SMART 4262	SP000008102	—	SLIC-LCP (DuSLIC®): Evaluation board for PEB 4262
SMART 4265 P-VQFN-48	SP000007989	—	SLIC-E/SLIC-P/SLIC-S (DuSLIC®): Evaluation board for PEF 4265 or PEF 4266 or PEF 4264. PEF 4265 soldered on board
SMART 4265 P-DSO-20	SP000007988	—	
SMART 4268	SP000008156	—	SLIC-DC (DuSLIC®): Evaluation board for PEF 4268
SMART 4365 P-DSO-36	SP000007990	—	TSLIC-E/TSLIC-S (DuSLIC®): Evaluation board for PEB 4365 and PEB 4364. PEF 4365 soldered on board
▼ EASY 3268	SP000204383	—	DuSLIC®-SP: Tool package for PEB 3268. Tool package includes: 1 x SMART 3268 + 1 x SMART 2000
▼ SMART 3268	SP000204343	—	DuSLIC®-SP: Evaluation board for PEB 3268. Evaluation board includes: 1 x SMART 3268

SMD = Surface Mounted Device

Type	Ordering Code	Package	Description
Wired Communication Voice Access			
ISDN S/T and U_{pn} Transceiver			
PEB 3081 F V1.4	SP000007636	PG-TQFP-48-1	SBCX-X: Full duplex 2B + D S/T interface transceiver according to
PEB 3081 H V1.4	SP000007583	PG-MQFP-44-1	ITU-T I.430, tape & reel
PEB 3081 F V1.4	SP000007637	PG-TQFP-48-1	SBCX-X: Full duplex 2B + D S/T interface transceiver according to
▼ PEB 3081 H V1.4	SP000007584	PG-MQFP-44-1	ITU-T I.430, tray
PEB 3086 F V1.4	SP000007571	PG-TQFP-64-1	ISAC [®] -SX: Full duplex 2B + D S/T interface transceiver according to
PEB 3086 H V1.4	SP000007567	PG-MQFP-44-1	ITU-T I.430 with one D-channel HDLC controller and one B-channel HDLC controller with reduced functionality, tray
PEB 3086 F V1.4	SP000007572	PG-TQFP-64-1	ISAC [®] -SX: Full duplex 2B + D S/T interface transceiver according to
PEB 3086 H V1.4	SP000007569	PG-MQFP-44-1	ITU-T I.430 with one D-channel HDLC controller and one B-channel HDLC controller with reduced functionality, tape & reel
PSB 3186 F V1.4	SP000007585	PG-TQFP-64-1	ISAC [®] -SX-TE: ISDN subscriber access controller for terminals, full
PSB 3186 H V1.4	SP000007610	PG-MQFP-44-1	duplex 2B + D S/T interface transceiver according to ITU-T I.430, tray
▼ PSB 3186 F V1.4	SP000007586	PG-TQFP-64-1	ISAC [®] -SX-TE: ISDN subscriber access controller for terminals, full
			duplex 2B + D S/T interface transceiver according to ITU-T I.430, tape & reel
PSB 21150 F V1.4	SP000007575	PG-TQFP-64-1	IPAC-X: ISDN PC adapter circuit extended, full duplex 2B + D S/T
PSB 21150 H V1.4	SP000007578	PG-MQFP-64-1	interface transceiver according to ITU-T I.430, tray
▼ PSB 21150 F V1.4	SP000007577	PG-TQFP-64-1	IPAC-X: ISDN PC adapter circuit extended, full duplex 2B + D S/T
			interface transceiver according to ITU-T I.430, tape & reel
PSF 21150 F V1.4	SP000007576	PG-TQFP-64-1	IPAC-X: ISDN PC adapter circuit extended, full duplex 2B + D S/T
			interface transceiver according to ITU-T I.430, -40°C to 85°C, tray
PEB 20590 H V2.2	SP000007249	PG-MQFP-80-1	VIP: Versatile ISDN port. Eight ISDN interfaces with up to four S/T
			and four U _{pn} or eight U _{pn} interfaces, large packing unit 504 pcs, tray (only available with DELIC-LC/-PB)
PEB 20590 H V2.2	SP000007251	PG-MQFP-80-1	VIP: Versatile ISDN port. Eight ISDN interfaces with up to four S/T
			and four U _{pn} or eight U _{pn} interfaces, large packing unit 84 pcs, tray (only available with DELIC-LC/-PB)
PEB 20591 H V2.2	SP000007600	PG-MQFP-80-1	VIP-8: Versatile ISDN port. Eight ISDN interfaces with up to eight
			S/T or eight U _{pn} interfaces, tray (only available with DELIC-LC/-PB)
▼ PEB 20591 H V2.2	SP000240128	PG-MQFP-80-1	VIP-8: Versatile ISDN port. Eight ISDN interfaces with up to eight
			S/T or eight U _{pn} interfaces, tape & reel (only available with DELIC-LC/-PB)
SMART 3081	on request	—	SBCX-X: Evaluation board for the PEB 3081. Additional tool: SMART 2000
SMART 3086	SP000007986	—	ISAC [®] -SX, ISAC [®] -SX TE: Evaluation board for the PEB 3086 and PSB 3186. Additional tool: SMART 2000
SMART 21150	SP000007975	—	IPAC-X: Evaluation board for the PSB 21150. Additional tool: SMART 2000
SMART 2057	SP000007973	—	VIP: Evaluation board for PEB 20570 / PEB/PEF 20571 and PEB 20590 (evaluation board includes: DELIC-PB + VIP). Additional tool: SMART 2000
SMART 2000 MAINBOARD	SP000007972	—	SMART 2000: Mainboard

SMD = Surface Mounted Device

Type	Ordering Code	Package	Description
Wired Communication Voice Access			
ISDN PBX Controller			
PEB 20570 F V3.1	SP000007243	PG-TQFP-100-1	DELIC-LC: Line card controller, supporting up to three VIP/VIP-8 (24 ISDN channels), large packing unit 90 pcs, tray
▼ PEB 20570 F V1.3	SP000007242	PG-TQFP-100-1	DELIC-LC: Line card controller, supporting up to three VIP/VIP-8 (24 ISDN channels), large packing unit 540 pcs, tray
PEB 20571 F V3.1	SP000007541	PG-TQFP-100-1	DELIC-PB: PBX controller with integrated DSP, supporting up to three VIP/VIP-8 (24 ISDN channels), large packing unit 1400 pcs, tape & reel
PEB 20571 F V3.1	SP000007540	PG-TQFP-100-1	DELIC-PB: PBX controller with integrated DSP, supporting up to three VIP/VIP-8 (24 ISDN channels), large packing unit 90 pcs, tray
▼ PEB 20571 F V3.1	SP000007539	PG-TQFP-100-1	DELIC-PB: PBX controller with integrated DSP, supporting up to three VIP/VIP-8 (24 ISDN channels), large packing unit 540 pcs, tray
PEF 20571 F V3.1	SP000008000	PG-TQFP-100-1	DELIC-PB: PBX controller with integrated DSP, supporting up to three VIP/VIP-8 (24 ISDN channels), -40°C to 85°C, tray
SMART 2057	SP000007973	—	DELIC-PB/LC: Evaluation board for PEB 20570/ PEB/PEF 20571 and PEB 20590 (evaluation board includes: DELIC-PB + VIP). Additional tool: SMART 2000
SMART 2000 MAINBOARD	SP000007972	—	SMART 2000: Mainboard

ISDN Echo Cancellation Circuit			
PEF 24902 H V2.1	SP000007489	PG-MQFP-64-1	AFE: 4-channel ISDN echocancellation circuit for 4B3T / 2B1Q line code, -40°C to 85°C, large packing unit 504 pcs, (only available as chipset IEC4-T/Q), tray
PEF 24902 H V2.1	SP000007490	PG-MQFP-64-1	AFE: 4-channel ISDN echocancellation circuit for 4B3T / 2B1Q line code, -40°C to 85°C, large packing unit 84 pcs, (only available as chipset IEC4-T/Q), tray
PEF 24902 H V2.1	SP000007491	PG-MQFP-64-1	AFE: 4-channel ISDN echocancellation circuit for 4B3T / 2B1Q line code, -40°C to 85°C, (only available as chipset IEC4-T/Q), tape & reel
▼ PEB 24902 H V2.1	SP000007347	PG-MQFP-64-1	AFE: 4-channel ISDN echocancellation circuit for 4B3T / 2B1Q line code, 0°C to 85°C, large packing unit 504 pcs, (only available as chipset IEC4-T/Q), tray
PEB 24902 H V2.1	SP000007348	PG-MQFP-64-1	AFE: 4-channel ISDN echocancellation circuit for 4B3T / 2B1Q line code, 0°C to 85°C, large packing unit 84 pcs, (only available as chipset IEC4-T/Q), tray
PEB 24902 H V2.1	SP000007349	PG-MQFP-64-1	AFE: 4-channel ISDN echocancellation circuit for 4B3T / 2B1Q line code, 0°C to 85°C, (only available as chipset IEC4-T/Q), tape & reel
PEF 24901 H V2.2	SP000007535	PG-MQFP-64-1	DFE-T: 4-channel ISDN echocancellation circuit for 4B3T line code, -40°C to 85°C, (only available as chipset IEC4-T), tray
▼ PEF 24901 H V2.2	SP000007536	PG-MQFP-64-1	DFE-T: 4-channel ISDN echocancellation circuit for 4B3T line code, -40°C to 85°C, (only available as chipset IEC4-T), tape & reel
PEF 24911 H V2.2	SP000008078	PG-MQFP-64-1	DFE-Q: 4-channel ISDN echocancellation circuit for 2B1Q line code, -40°C to 85°C, (only available as chipset IEC4-Q), tray
▼ PEF 24911 H V2.2	SP000008079	PG-MQFP-64-1	DFE-Q: 4-channel ISDN echocancellation circuit for 2B1Q line code, -40°C to 85°C, (only available as chipset IEC4-Q), tape & reel
▼ SMART 24901	on request	—	IEC4-T (PEB/PEF 24902 + 24901): Evaluation board for IEC4-T, Europe version, 4B3T line coding (evaluation board includes: Quad AFE + DFE-T + ELIC + IHPC). Additional tool: SMART 2000
▼ SMART 24911	on request	—	IEC4-Q (PEB/PEF 24902 + 24911): Evaluation board for IEC4-Q chipset, USA/Japan version, 2B1Q line coding (evaluation board includes: Quad AFE + DFE-Q + ELIC + IHPC). Additional tool: SMART 2000
SMART 2000 MAINBOARD	SP000007972	—	SMART 2000: Mainboard

SMD = Surface Mounted Device

Type	Ordering Code	Package	Description
Wired Communication Voice Access			
ISDN/SHDSL Power Controller			
▼ PEF 2026 T-S V1.1	SP000007176	PG-DSO-20-6	IHPC: Single ISDN /SHDSL high voltage power controller, -40°C to 85°C, tube
▼ PEF 2026 T-S V1.1	SP000007178	PG-DSO-20-6	IHPC: Single ISDN/SHDSL high voltage power controller, -40°C to 85°C, tape & reel
PEF 2026 T-P V1.1	SP000007174	P-DSO-20-6	IHPC: Single ISDN/SHDSL high voltage power controller, -40°C to 85°C, tube
▼ PEB 2026 T-S V1.1	SP000007175	PG-DSO-20-6	IHPC: Single ISDN/SHDSL high voltage power controller, 0°C to 85°C, tube
PEB 2026 T-S V1.1	SP000007177	P-DSO-20-6	IHPC: Single ISDN/SHDSL high voltage power controller, 0°C to 85°C, tape & reel
PEB 2026 T-P V1.1	SP000007173	P-DSO-20-6	IHPC: Single ISDN/SHDSL high voltage power controller, 0°C to 85°C, tape & reel
▼ PEB 2026 T-P V1.1	SP000007172	P-DSO-20-6	IHPC: Single ISDN/SHDSL high voltage power controller, 0°C to 85°C, large packing unit 155 pcs, tube
▼ PEB 2026 T-P V1.1	SP000007171	P-DSO-20-6	IHPC: Single ISDN/SHDSL high voltage power controller, 0°C to 85°C, large packing unit 1240 pcs, tube
▼ PEF 2426 H V1.1 GD	SP000007499	PG-MQFP-44-1	QIHPC: Quad ISDN/SHDSL high voltage power controller, tape & reel
▼ PEF 2426 H V1.1 D	SP000007497	PG-MQFP-44-1	QIHPC: Quad ISDN/SHDSL high voltage power controller, tray
▼ SMART 2426 USA/JPN	on request	—	QIHPC: Evaluation board for PEF 2426, USA/Japan version, 2B1Q line coding (evaluation board includes: Quad AFE + DFE-T + ELIC + IHPC). Additional tool: SMART 2000
▼ SMART 2426 EURO	on request	—	QIHPC: Evaluation board for PEF 2426, Europe version, 4B3T line coding (evaluation board includes: Quad AFE + DFE-Q + ELIC + IHPC). Additional tool: SMART 2000
SMART 2000 MAINBOARD	SP000007972	—	SMART 2000: Mainboard

PCM Interface Controller

▼ PEF 2054 N V2.1	SP000075438	PG-LCC-44-1	EPIC®-S: Extended PCM interface controller (16 ISDN or 32 analog subscribers), tape & reel
PEF 2054 N V2.1	SP000007790	P-LCC-44-1	
▼ PEF 2054 N V2.1	SP000057916	PG-LCC-44-1	EPIC®-S: Extended PCM interface controller (16 ISDN or 32 analog subscribers), tube
▼ PEF 2055 N V2.1	SP000075706	PG-LCC-44-1	EPIC®-1: Extended PCM interface controller (32 ISDN or 64 analog subscribers), tube
PEF 2055 N V2.1	SP000007791	P-LCC-44-1	
▼ PEF 2055 N V2.1	SP000075707	PG-LCC-44-1	EPIC®-1: Extended PCM interface controller (32 ISDN or 64 analog subscribers), tape & reel
PEF 20550 H V2.1	SP000007795	PG-MQFP-80-1	ELIC®: Extended line card interface controller (32 ISDN or 64 analog subscribers), tape & reel
PEF 20550 H V2.1	SP000007794	P-MQFP-80-1	ELIC®: Extended line card interface controller (32 ISDN or 64 analog subscribers), large packing unit 84 pcs, tray
▼ PEF 20550 H V2.1	SP000007793	PG-MQFP-80-1	ELIC®: Extended line card interface controller (32 ISDN or 64 analog subscribers), large packing unit 504 pcs, tray
▼ SMART 24901	on request	—	ELIC®: Evaluation board for PEF 20550, Europe version, 4B3T line coding (evaluation board includes: Quad AFE + DFE-T + ELIC + IHPC). Additional tool: SMART 2000
▼ SMART 24911	on request	—	ELIC®: Evaluation board for PEF 20550, USA/Japan version, 2B1Q line coding (evaluation board includes: Quad AFE + DFE-Q + ELIC + IHPC). Additional tool: SMART 2000

SMD = Surface Mounted Device

Type	Ordering Code	Package	Description
Wired Communication Voice Access			
ISDN Network Termination Controller (NT1, iNT)			
PEF 80902 H V1.1	SP000007563	PG-MQFP-44-2	T-SMINT [®] -O: 4B3T second generation modular ISDN NT (ordinary), tape & reel
PEF 80902 H V1.1	SP000007562	PG-MQFP-44-2	T-SMINT [®] -O: 4B3T second generation modular ISDN NT (ordinary), tray
PEF 82902 F V1.1	SP000007565	PG-TQFP-64-1	T-SMINT [®] -I: 4B3T second generation modular ISDN NT (intelligent), tray
▼ PEF 82902 F V1.1	SP000007566	PG-TQFP-64-1	T-SMINT [®] -I: 4B3T second generation modular ISDN NT (intelligent), tape & reel
▼ PEF 81902 F V1.1	SP000007564	PG-TQFP-64-1	T-SMINT [®] -IX: 4B3T second generation modular ISDN NT (intelligent extended), tray
PEF 80912 H V1.4	SP000007554	PG-MQFP-44-2	Q-SMINT [®] -O: 2B1Q second generation modular ISDN NT (ordinary), large packing unit 96 pcs, tray
▼ PEF 80912 H V1.4	SP000007553	PG-MQFP-44-2	Q-SMINT [®] -O: 2B1Q second generation modular ISDN NT (ordinary), large packing unit 576 pcs, tray
▼ PEF 80912 H V1.4	SP000007555	PG-MQFP-44-2	Q-SMINT [®] -O: 2B1Q second generation modular ISDN NT (ordinary), tape & reel
PEF 82912 F V1.4	SP000007558	PG-TQFP-64-1	Q-SMINT [®] -I: 2B1Q second generation modular ISDN NT (intelligent), tray
▼ PEF 82912 F V1.4	SP000007559	PG-TQFP-64-1	Q-SMINT [®] -I: 2B1Q second generation modular ISDN NT (intelligent), tape & reel
SIP 80912	SP000007970	—	Q-SMINT [®] -O: Evaluation board for PEF 80912
▼ SIP 82912	on request	—	Q-SMINT [®] -I: Evaluation board for PEF 82912

16-Bit Microcontroller for ISDN

SAF C161U-LF V1.3	SP000007502	PG-TQFP-100-1	C161U: 16-bit microcontroller with USB, tray
SAF C165H-LF V1.3	SP000007668	P-TQFP-144-2	C165U: 16-bit microcontroller with HDLC and IOM [®] -2, large packing unit 60 pcs, tray
▼ SAF C165H-LF V1.3	SP000007667	PG-TQFP-144-2	C165U: 16-bit microcontroller with HDLC and IOM [®] -2, large packing unit 360 pcs, tray
▼ SAF C165H-LF V1.3	SP000007669	PG-TQFP-144-2	C165H: 16-bit microcontroller with HDLC and IOM [®] -2, tape & reel
SAF C165UTAH-LF V1.3	SP000007475	PG-TQFP-144-2	UTAH: 16-bit microcontroller with USB, HDLC and IOM [®] -2, large packing unit 60 pcs, tray
▼ SAF C165UTAH-LF V1.3	SP000007474	PG-TQFP-144-2	UTAH: 16-bit microcontroller with USB, HDLC and IOM [®] -2, large packing unit 360 pcs, tray
SAF C165UTAH-LF V1.3	SP000007476	PG-TQFP-144-2	UTAH: 16-bit microcontroller with USB, HDLC and IOM [®] -2, tape & reel
EASY C161U	SP000007940	—	C161U: Evaluation board for SAF-C161U
EASY UTAH	SP000007941	—	UTAH: Evaluation board for SAF-C165UTAH/SAF-C165H

VoIP Terminals

▼ PSB 21553 E V1.4-G	SP000017644	PG-LBGA-324-3	INCA [®] -IPs: Single-chip IP-phone solution with integrated 3-port ethernet switch, tape & reel
▼ PSB 21553 E V1.4-G	SP000056178	PG-LBGA-324-3	INCA [®] -IPs: Single-chip IP-phone solution with integrated 3-port ethernet switch, tray
▼ PSB 21521 E V1.4-G	SP000007840	PG-LBGA-324-3	INCA [®] -IPc: Single-chip IP-phone solution with single 10/100BaseT ethernet port, tape & reel
▼ PSB 21521 E V1.4-G	SP000226522	PG-LBGA-324-3	INCA [®] -IPc: Single-chip IP-phone solution with single 10/100BaseT ethernet port, tray
▼ EASY 21553	SP000007917	—	INCA [®] -IP: Evaluation board for PSB 21553

SMD = Surface Mounted Device

Type	Ordering Code	Package	Description
Wired Communication Voice Access			
ISDN Terminals			
PSB 21382 H V1.3	SP000007373	PG-MQFP-64-1	SCOUT™-S: Siemens codec with S/T transceiver, tray
PSB 21383 H V1.3	SP000007532	PG-MQFP-44-1	SCOUT™-SX: Siemens codec with S/T transceiver featuring speakerphone functionality, tape & reel
▼ PSB 21383 H V1.3	SP000007531	PG-MQFP-44-1	SCOUT™-SX: Siemens codec with S/T transceiver featuring speakerphone functionality, large packing unit 96 pcs, tray
▼ PSB 21383 H V1.3	SP000007530	PG-MQFP-44-1	SCOUT™-SX: Siemens codec with S/T transceiver featuring speakerphone functionality, large packing unit 576 pcs, tray
PSB 21384 H V1.3	SP000007374	PG-MQFP-64-1	SCOUT™-SX: Siemens codec with S/T transceiver featuring speakerphone functionality, tray
▼ PSB 21384 H V1.3	SP000007375	PG-MQFP-64-1	SCOUT™-SX: Siemens codec with S/T transceiver featuring speakerphone functionality, tape & reel
PSB 21373 H V1.1	SP000007602	PG-MQFP-44-1	SCOUT™-DX: Siemens codec with 2-wire data transceiver featuring speakerphone function, tape & reel
PSB 21391 H V1.3	SP000007376	PG-MQFP-44-1	SCOUT™-P: Siemens codec with U _{PH} transceiver, tray
▼ PSB 21391 H V1.3	SP000007377	PG-MQFP-44-1	SCOUT™-P: Siemens codec with U _{PH} transceiver, tape & reel
PSB 21393 H V1.3	SP000007533	PG-MQFP-44-1	SCOUT™-PX: Siemens codec with U _{PH} transceiver featuring speakerphone functionality, tray
PSB 21393 H V1.3	SP000007534	PG-MQFP-44-1	SCOUT™-PX: Siemens codec with U _{PH} transceiver featuring speakerphone functionality, tape & reel
▼ PSB 21493 H V1.7	SP000007996	P-MQFP-144-1	INCA®-P: Infineon codec with U _{PH} transceiver and embedded microcontroller featuring acoustic echo cancellation, tape & reel
▼ PSB 21493 H V1.7	SP000103945	P-MQFP-144-1	INCA®-P: Infineon codec with U _{PH} transceiver and embedded microcontroller featuring acoustic echo cancellation, tray
PSB 21483 F V1.7	SP000007699	PG-TQFP-144-1	INCA®-S: Infineon codec with S/T transceiver and embedded microcontroller featuring acoustic echo cancellation, tray
▼ PSB 21473 F V1.3	SP000007701	PG-TQFP-144-1	INCA®-D: Infineon codec with DASL transceiver and embedded microcontroller featuring acoustic echo cancellation, tape & reel
▼ PSB 21473 F V1.3	SP000007700	PG-TQFP-144-1	INCA®-D: Infineon codec with DASL transceiver and embedded microcontroller featuring acoustic echo cancellation, tray
SMART 21384	SP000007976	—	SCOUT™-S/-SX: Evaluation board for PSB 21382/84. Additional tool: SMART 2000
▼ SMART 21383	on request	—	SCOUT™-SX: Evaluation board for PSB 21383. Additional tool: SMART 2000
SMART 21393 EURO	SP000007977	—	SCOUT™-P/-PX: Evaluation board for PSB 21391/93 Europe version. Additional tool: SMART 2000
▼ SMART 21393 USA	on request	—	SCOUT™-P/-PX: Evaluation board for PSB 21391/93 USA version. Additional tool: SMART 2000
SIPB 21493	SP000007967	—	INCA-P®: Evaluation board for 21493
▼ SIPB 21483	on request	—	INCA®-S: Evaluation board for PSB 21483
▼ SIPB 21486	on request	—	INCA®-P; INCA®-S: Acoustic box (20 Ohm) for PSB 21493 and PSB 21483
SMART 2000 MAINBOARD	SP000007972	—	SMART 2000: Mainboard

SMD = Surface Mounted Device

Type	Ordering Code	Package	Description
------	---------------	---------	-------------

Wired Communication Broadband CPE

Network Processor

ADM 5120 X AB T2-G	SP000078983	PG-BGA-324-1	Network Processor: System-on-chip home gateway controller, USB 1.1, PCI, 5TP+GMII, tray
ADM 5120 PX AB T2	SP000081012	PG-FQFP-208-9	Network Processor: System-on-chip home gateway controller, USB 1.1, 5TP+MII, tray
EASY 5120-RT	SP000017922	—	Network Processor: Evaluation board for ADM5120 (X) (Wireless VoIP router reference package)
EASY 5120-WVOIP RT	SP000017943	—	Network Processor: Evaluation board for ADM5120 (X) (2-channel ATA VoIP router reference package)

Wireless System On-Chip (SoC)

▼ ADM 8668 FX A12-G	SP000208946	PG-BGA-352-1	Wildpass: Wireless network bridging system-on-chip, WLAN (WMAC+BBP), USB 2.0, 1TP+1MII
▼ ADM 8668 TX A12	SP000208947	PG-BGA-289-1	Wildpass: Wireless network bridging system-on-chip, WLAN (WMAC+BBP), USB 2.0, 1TP+1MII, PCI bridge, tray
▼ EASY 8668 F	SP000068129	—	Wildpass: Evaluation board for ADM 8668 F(X)

Network Interface Card (NIC)

AN 983 BX BG TV1	SP000075554	PG-MQFP-128-2	NIC: PCI to fast ethernet NIC controller, tray
▼ AN 983 BX BG TV3	SP000103413	PG-MQFP-128-2	
AN 983 BLX BG TV1	SP000076446	PG-LQFP-128-1	
▼ AN 983X AH T 21	SP000078897	PG-MQFP-128-2	
▼ AN 983X AH T 22	SP000078898	PG-MQFP-128-2	
▼ AN 985 BX BG TV1	SP000076447	PG-LQFP-128-1	NIC: Cardbus to fast ethernet NIC controller, tray
ADM 8511 X CC T1	SP000076521	PG-LQFP-100-1	NIC: USB 1.1 to fast ethernet NIC controller, tray
ADM 8513 X AD T1	SP000077769	PG-LQFP-48-1	NIC: USB 1.1 to fast ethernet NIC controller, tray
▼ ADM 8515X AC T1	SP000064377	PG-LQFP-100-1	NIC: USB 2.0 to ethernet NIC controller, tray
▼ EASY 7001 NIC	SP000018110	—	NIC: Evaluation board for AN 983 B(X) (including ADM 7001)
▼ EASY 8511	SP000067472	—	NIC: Evaluation board for ADM 8511 (X)
EASY 8515	SP000017920	—	NIC: Evaluation board for ADM 8515 (X)

Switch/Phy

ADM 6992 X AD T1	SP000076445	PG-MQFP-128-2	Ninja: Fiber-to-fast ethernet converter, tray
▼ ADM 6992 SX AB T1	SP000223283	PG-TQFP-64-4	
▼ ADM 6992 CX AB T1	SP000076431	PG-TQFP-64-4	Ninja: Two port fiber-to-fast ethernet converter bridge, tray
▼ ADM 6992 FX AB T1	SP000077768	PG-MQFP-128-2	Ninja: Fiber-to-fast ethernet converter with OAM engine for TS-1000 protocol conversion, tray
▼ ADM 6992 KX AB T1	SP000076432	PG-TQFP-64-4	Ninja: Evaluation board for ADM 6992 C(X)
▼ EASY 6992 C	SP000017946	—	Ninja: Evaluation board for ADM 6992 F(X)
EASY 6992 F	SP000017947	—	Ninja: Evaluation board for ADM 6992 K(X)
EASY 6992 K	SP000017944	—	Ninja: Fiber-to-fast ethernet converter with integrated three port L2 switch, tray
▼ ADM 6993 X AD T1	SP000076438	PG-MQFP-128-2	Ninja: Fiber-to-fast-ethernet converter with integrated three port L2 switch, OAM engine for TS-1000 protocol conversion, tray
▼ ADM 6993 FX AD T1	SP000016437	PG-MQFP-128-2	Ninja: Evaluation board for ADM 6993 F(X)
▼ EASY 6993 F	SP000017919	—	Samurai: Five port L2 ethernet switch controller, 5TP, MDC/MDIO, tray
▼ ADM 6995 LCX AD T1	SP000219864	PG-MQFP-128-2	Samurai: Six port L2 ethernet switch controller, 4TP+2MII, MDC/MDIO, tray
▼ ADM 6996 FCX AD T1	SP000219863	PG-MQFP-128-2	Samurai: Six port L2 ethernet switch controller, 4TP+2MII, MDC/MDIO, tape & reel
▼ ADM 6996 FCX AD R1	SP000229744	PG-MQFP-128-2	Samurai: Six port L2 ethernet switch controller, 5TP+1MII, extra function on IGMP, QOS, tray
▼ ADM 6996 IX AD T1	SP000219861	PG-MQFP-128-2	

SMD = Surface Mounted Device

Type	Ordering Code	Package	Description
Wired Communication Broadband CPE			
Switch/Phy (cont'd)			
▼ ADM 6996 LCX AD R1	SP000228446	PG-MQFP-128-2	Samurai: Six port L2 ethernet switch controller, 5TP+1MII, tape & reel
▼ ADM 6996 LCX AD T1	SP000219862	PG-MQFP-128-2	Samurai: Six port L2 ethernet switch controller, 5TP+1MII, MDC/MDIO, tray
▼ ADM 6996 MX AD T1	SP000210310	PG-MQFP-128-2	Samurai: Six port L2 ethernet switch controller, 4TP+2MII, MDC/MDIO, extra function on IGMP, QOS, tray
▼ ADM 6996 HX AD T1	SP000220561	PG-MQFP-128-2	Samurai: Six port L2 ethernet switch controller, 4TP+1MII+1HDLC, MDC/MDIO, extra function on IGMP, QOS, tray
EASY 6996 FC	SP000062347	—	Samurai: Evaluation board for ADM 6996 FC(X)
▼ EASY 6996 I	SP000062345	—	Samurai: Evaluation board for ADM 6996 I(X)
EASY 6996 I CPU	SP000084733	—	Samurai: Evaluation board for ADM 6996 I(X) with CPU
EASY 6996 LC	SP000062346	—	Samurai: Evaluation board for ADM 6996 LC(X)
EASY 6996 M	SP000062344	—	Samurai: Evaluation board for ADM 6996 M(X)
▼ EASY 6996 M CPU	SP000084732	—	Samurai: Evaluation board for ADM 6996 M(X) with CPU
ADM 6999 X A2 T1	SP000076443	PG-MQFP-128-2	Switch: Nine-port L2 ethernet switch controller, 8TP+1MII, tray
▼ ADM 6999 GX A2 T1	SP000076440	PG-MQFP-128-2	Switch: Nine-port L2 switch controller, 8TP+1GMII, tray
▼ ADM 6999 UX A2 T1	SP000076439	PG-MQFP-128-2	Switch: Nine-port L2 ethernet switch controller, 8TP+1.6GMII, tray
EASY 6999	SP000018106	—	Switch: Evaluation board for ADM 6999 (X)
EASY 6999 U	SP000018108	—	Switch: Evaluation board for ADM 6999 U(X)
▼ EASY 6999 G	SP000018107	—	Switch: Evaluation board for ADM 6999 G(X)
ADM 7001 X AC T1	SP000076255	PG-LQFP-48-1	Phy: One-port 10/100Mbit/s phy, tray
▼ ADM 7001 X AC R1	SP000083260	PG-LQFP-48-1	Phy: One-port 10/100Mbit/s phy, tape & reel
EASY 7001 MII	SP000018109	—	Phy: Evaluation board for ADM 7001 (X)

SMD = Surface Mounted Device

Communication

1

Type	Ordering Code	Package	Description
------	---------------	---------	-------------

Wireless Communication

WLAN

▼ ADM 8262 X AC T1	SP000208914	PG-LQFP-128-1	Wildcard G: Wireless Lan 802.11a/b/g MAC + BBP single chip controller with PCI, mini-PCI and Cardbus interface, tray
▼ ADM 8266 A21	SP000098969	PG-LQFP-128-1	Wildcard USB: 802.11a/b/g MAC + BBP single chip WiFi Controller with USB interface, tray
▼ ADM 8266M A21	SP000098970	PG-LQFP-128-1	
▼ PEF 8820 V	SP000054913	PG-VQFN-48-1	Lucky Warp: 802.11 a/b/g RF transceiver, tape & reel
EASY 8262 MINI PCI	SP000018113	—	Wildcard G: Evaluation board for ADM 8262
EASY 8262 CARDBUS	SP000018111	—	
▼ EASY 8266 USB	SP000054643	—	Wildcard USB: Evaluation board for ADM 8266 (Dongle)
▼ EASY 8266 COMBO	on request	—	Wildcard G: Evaluation board for ADM 8266 (memory stick combo)

Bluetooth®

◆▼ PMB 8761 G V3.29	SP000095537	PG-VQFN-48-1	BlueMoon Single Cellular: Bluetooth® 1.2 HCI single chip, tape & reel
◆▼ PMB 8753 J V2.07	SP000226865	PG-WFSGA-65	BlueMoon Single Cellular: CF-Card for PMB 8761 (BlueMoon Single Cellular), tape & reel
◆▼ PMB 8753 A V2.07	SP000226864	PG-WFSGA-65	
◆▼ PBA 31307/1R2A	SP000009862	L-MLGA-72	Single Stone Module: Bluetooth® 1.2 HCI based module, tape & reel
◆▼ PBA 31308	SP000209746	P-MODUL-1	Uni Stone Module: Bluetooth® 2.0 HCI based module with Enhanced Data Rate (EDR), tape & reel
◆▼ BlueMoon Single Cellular Kit	on request	—	BlueMoon Single Cellular: Evaluation board for PMB 8761 Evaluation kit includes: 2 x mainboard and 2 x card
◆▼ BlueMoon Single Cellular CF-Card	on request	—	BlueMoon Single Cellular: CF-Card for PMB 8761
◆▼ BlueMoon Uni Cellular Kit	on request	—	BlueMoon Uni Cellular: Evaluation board for PMB 8761 Evaluation kit includes: 2 x mainboard and 2 x card
◆▼ BlueMoon Uni Cellular CF-Card	on request	—	BlueMoon Uni Cellular: CF-Card for PMB 8761
◆▼ BlueMoon Singlestone Cellular Kit	on request	—	Singlestone Module: Evaluation board for PBA 31307 Evaluation kit includes: 2 x mainboard and 2 x card
◆▼ BlueMoon Singlestone Cellular CF-Card	on request	—	Singlestone Module: CF-Card for PBA 31307
◆▼ BlueMoon Unistone Cellular Kit	on request	—	Unistone Module: Evaluation board for PBA 31308 Evaluation kit includes: 2 x mainboard and 2 x card
◆▼ BlueMoon Unistone Cellular CF-Card	on request	—	Unistone Module: CF-Card for PBA 31308

Digital Cordless Telephony (DECT)

PMB 6818 R V1.1	SP000008828	PG-TSSOP-10-1	Dect: Power amplifier, tape & reel
PMB 6819 R V1.1	SP000008753	PG-TSSOP-10-1	Dect: 2 V power amplifier, tape & reel
▼ PMB 6610 R V2.1W	SP000055958	PG-TSSOP-38-1	Dect: Low-IF transceiver for DECT, tape & reel
PMB 6610 R V2.1A	SP000106609	P-TSSOP-38-1	
▼ PMB 7610 R V1.1	SP000008752	PG-TSSOP-38-1	Dect: Transceiver with improved density, tape & reel
▼ PMB 6723 F V1.4 FL	SP000008714	PG-TQFP-100-1	Dect: Handset controller with handsfree capability, tape & reel
▼ PMB 6723 F V1.423	SP000217504	PG-TQFP-100-1	
▼ PMB 7722 F V1.4 FL	SP000008975	PG-TQFP-100-1	Dect: Handset controller with walkie-talkie function, large packing unit 1400 pcs, tape & reel
▼ PMB 7722 F V1.4 FL	SP000008974	PG-TQFP-100-1	Dect: Handset controller with walkie-talkie function, large packing unit 1000 pcs, tape & reel
▼ PMB 5737 F V3.552 PCC	SP000008709	P-TQFP-144-1	Dect: Basestation controller with SMS functionality, tape & reel
▼ PMB 5737 F V3.5	SP000008707	P-TQFP-144-1	
▼ PMB 6725 XF V1.5 FL	SP000008732	PG-TQFP-100-1	Dect: Basestation controller with external ROM/RAM interface, tape & reel
▼ PMB 6725 XF V1.565	SP000008725	PG-TQFP-100-1	
PMB 6725 XF V1.592	SP000008731	P-TQFP-100-1	
▼ PMB 7725 XF V1.3 FL	SP000008907	PG-TQFP-100-1	Dect: Basestation controller with SMS functionality, tape & reel
▼ PMB 7725 H V1.3115	SP000089006	P-MQFP-64-1	

SMD = Surface Mounted Device

Type	Ordering Code	Package	Description
Wireless Communication			
2.4-GHz WDCT			
▼ PMB 4823 R V1.1	SP000008698	PG-TSSOP-10-1	Dect: WDCT power amplifier, tape & reel
▼ PMB 6823 R V1.1	SP000008815	PG-TSSOP-10-1	Dect: WDCT 2 V power amplifier, tape & reel
PMB 6618 R V2.1	SP000009044	PG-TSSOP-38-1	Dect: Low-IF transceiver for 2.4-GHz WDCT, tape & reel
▼ PMB 6724 F V1.4 FL	SP000008716	P-TQFP-100-1	Dect: WDCT Handset Controller, tape & reel
▼ PMB 7724 F V1.406	SP000079572	PG-TQFP-100-1	Dect: WDCT Handset Controller with walkie-talkie function, tape & reel
▼ PMB 7724 H V1.406	SP000016802	PG-MQFP-64-1	
▼ PMB 5736 U	SP000065010	P-TQFP-144-1	Dect: WDCT Basestation Controller with integrated answering machine, tape & reel
▼ PMB 6726 XF V1.5 FL	SP000008875	P-TQFP-100-1	Dect: WDCT Basestation Controller with external ROM-/RAM interface, tape & reel
▼ PMB 6726 XF V1.543	SP000008877	P-TQFP-100-1	
▼ PMB 7726 H V1.304	SP000008953	P-MQFP-64-1	Dect: WDCT Basestation Controller with increased memory size, tape & reel

RF Power GOLDMOS®

◆▼ PTF 040551E	SP000082501	H-30265-2-1	High power RF LDMOSFET, 55 W, 450-MHz to 500-MHz bandwidth, tray
◆▼ PTF 041501E V1.0	SP000064068	H-30260-2-1	High power RF LDMOSFET, 150 W, 450-MHz to 500-MHz bandwidth, tray
◆▼ PTF 080101M	SP000082763	PG-TSSOP-10-1	High power RF LDMOSFET, 10 W, 860-MHz to 960-MHz bandwidth, tape & reel
◆ PTF 080101S V1.0	SP000018181	H-32259-2-1	High power RF LDMOSFET, 10 W, 860-MHz to 960-MHz bandwidth, tray
◆ PTF 080901E V1.0	SP000009921	H-30248-2-1	High power RF LDMOSFET, 90 W, 860-MHz to 960-MHz bandwidth, tray
◆ PTF 080901F V1.0	SP000009922	H-31248-2-1	
◆ PTF 081301E V1.0	SP000017347	H-30248-2-1	High power RF LDMOSFET, 130 W, 860-MHz to 960-MHz bandwidth, tray
◆ PTF 082001E V1.0	SP000017756	H-30260-2-1	High power RF LDMOSFET, 200 W, 860-MHz to 960-MHz bandwidth, tray
◆▼ PTF 140451E V1.0	SP000102183	H-30265-2-1	High power RF LDMOSFET, 45 W, 1450-MHz to 1500-MHz bandwidth, tray
◆▼ PTF 141501E V1.0	SP000095458	H-30260-2-1	High power RF LDMOSFET, 150 W, 1450-MHz to 1500-MHz bandwidth, tray
◆▼ PTF 180101M V1.0	SP000076951	PG-TSSOP-10-1	High power RF LDMOSFET, 10 W, 1800-MHz to 1900-MHz bandwidth, tape & reel
◆ PTF 180101S V1.0	SP000009989	H-32259-2-1	
◆▼ PTF 180301E V1.0	SP000017754	H-30265-2-1	High power RF LDMOSFET, 30 W, 1800-MHz to 2000-MHz bandwidth, tray
◆ PTF 180901E V1.0	SP000009918	H-30248-2-1	High power RF LDMOSFET, 90 W, 1800-MHz to 2000-MHz bandwidth, tray
◆ PTF 180901F V1.0	SP000009917	H-31248-2-1	
◆ PTF 181301E V1.0	SP000017571	H-30260-2-1	High power RF LDMOSFET, 130 W, 1800-MHz to 2000-MHz bandwidth, tray
◆ PTF 191601E V1.0	SP000018182	H-30260-2-1	High power RF LDMOSFET, 160 W, 1800-MHz to 2000-MHz bandwidth, tray
◆▼ PTF 210101M V1.0	SP000076952	PG-TSSOP-10-1	High power RF LDMOSFET, 20 W, 2100-MHz to 2170-MHz bandwidth, tape & reel
◆ PTF 210301E V1.0	SP000009913	H-30265-2-1	High power RF LDMOSFET, 30 W, 2110-MHz to 2170-MHz bandwidth, tray

SMD = Surface Mounted Device

Type	Ordering Code	Package	Description
Wireless Communication			
RF Power GOLDMOS® (cont'd)			
◆ PTF 211301E V1.0	SP000017750	H-30260-2-1	High power RF LDMOSFET, 130 W, 2110-MHz to 2170-MHz bandwidth, tray
◆▼ PTF 240101S V1.0	SP000082764	H-32259-2-1	High power RF LDMOSFET, 10 W, 2400-MHz to 2500-MHz bandwidth, tray
◆▼ PTFA 043002E V1.0	SP000082722	H-30275-4-1	High power RF LDMOSFET, 300 W, 470-MHz to 860-MHz bandwidth, tray
◆▼ PTFA 191001E V1.0	SP000056796	H-30248-2-1	High power RF LDMOSFET, 100 W, 1930-MHz to 1990-MHz bandwidth, tray
◆▼ PTFA 210451E V1.0	SP000082505	H-30265-2-1	High power RF LDMOSFET, 45 W, 2110-MHz to 2170-MHz bandwidth, tray
◆▼ PTFA 210601E V1.0	SP000102489	H-30265-2-1	High power RF LDMOSFET, 60 W, 2110-MHz to 2170-MHz bandwidth, tray
◆▼ PTFA 211001E V1.0	SP000064069	H-30248-2-1	High power RF LDMOSFET, 100 W, 2110-MHz to 2170-MHz bandwidth, tray
◆▼ PTFA 211801E V1.0	SP000065496	H-30260-2-1	High power RF LDMOSFET, 180 W, 2110-MHz to 2170-MHz bandwidth, tray
◆▼ PTFA 211801F V1.0	SP000075700	H-31260-2-1	High power RF LDMOSFET, 180 W, 2110-MHz to 2170-MHz bandwidth, tray
◆▼ PTFA 212002E V1.0	SP000074111	H-30275-2-1	High power RF LDMOSFET, 220 W, 2110-MHz to 2170-MHz bandwidth, tray
◆▼ PTFA 240451E V1.0	SP000063673	H-30265-2-1	High power RF LDMOSFET, 45 W, 2400-MHz to 2500-MHz bandwidth, tray
◆▼ PTFA 241301E V1.0	SP000082766	H-30260-2-1	High power RF LDMOSFET, 130 W, 2400-MHz to 2500-MHz bandwidth, tray
◆▼ PTFA 260451E V1.0	SP000063672	H-30265-2-1	High power RF LDMOSFET, 45 W, 2620-MHz to 2680-MHz bandwidth, tray
◆▼ PTFA 261301E	SP000086852	H-30260-2-1	High power RF LDMOSFET, 130 W, 2620-MHz to 2680-MHz bandwidth, tray

Tuner ICs

TUA 6020	SP000012798	PG-TSSOP-28-1	Tuner: 2-band TV tuner mixer-oscillator-PLL with balanced IF-amplifier, for analog and stationary TV reception, tape & reel
TUA 6024-2	SP000012767	PG-TSSOP-28-1	Tuner: 2-band TV tuner mixer-oscillator-PLL with unbalanced IF-amplifier, for analog TV reception, tape & reel
KTS 6027-2	SP000013185	PG-TSSOP-28-1	Tuner: 2-band TV tuner mixer-oscillator-PLL with unbalanced IF-amplifier, for analog TV reception, tape & reel
KTS 6029-2	SP000013186	PG-TSSOP-28-1	Tuner: 2-band TV tuner mixer-oscillator-PLL with unbalanced IF-amplifier, for analog TV reception, tape & reel
▼ TUA 1030 DRYPACK	SP000013616	PG-TSSOP-24-1	Tuner: WDCT Basestation Controller, for analog TV reception, tape & reel
TUA 6030	SP000012954	PG-TSSOP-38-1	Tuner: 3-band RF Tuner for PAL/NTSC, DVB-C, ATSC and DOCSIS with MOPLL (mixer, oscillator and digitally programmable PLL), for analog and stationary TV reception, tape & reel
TUA 6034 T	SP000013610	PG-TSSOP-38-1	Taifun: Full 3-band RF tuner for PAL/NTSC, DVB-T, DVB-C, ISDB-T, ATSC and OPEN CABLE standard with MOPLL (mixer, oscillator and digitally programmable PLL), for stationary and portable TV reception, tape & reel
TUA 6034 V	SP000017969	PG-VQFN-48-1	Taifun: Full 3-band RF tuner for PAL/NTSC, DVB-T, DVB-C, ISDB-T, ATSC and OPEN CABLE standard with MOPLL (mixer, oscillator and digitally programmable PLL), for stationary and portable TV reception, tape & reel
TUA 6036 T	SP000014627	PG-TSSOP-38-1	Taifun: Full 3-band RF tuner for PAL/NTSC, DVB-T, DVB-C, ISDB-T, ATSC and OPEN CABLE standard with MOPLL (mixer, oscillator and digitally programmable PLL), for stationary TV reception, tape & reel
TDA 6190 T GEG DRYPACK	SP000012811	PG-DSO-16-1	Tuner: Digital TV mixer for QAM or QFDM modulated signals, for stationary TV reception, tape & reel
TDA 6190 T GEG	SP000012810	PG-DSO-16-1	Tuner: Digital TV mixer for QAM or QFDM modulated signals, for stationary TV reception, tape & reel
TDA 6192 T DRYPACK	SP000013410	PG-TSSOP-16-1	Tuner: Direct IF sampling amplifier, for stationary and portable TV reception, tape & reel
TDA 6192 T	SP000013411	PG-TSSOP-16-1	Tuner: Direct IF sampling amplifier, for stationary and portable TV reception, tape & reel
TDA 6192 V	SP000017968	PG-VQFN-20-3	Tuner: Direct IF sampling amplifier, for stationary and portable TV reception, tape & reel
▼ TUA 6041	SP000018085	PG-VQFN-48-1	Lighting: Digitally aligned, full 3-band, low power RF tuner IC, with integrated IF AGC, for portable TV reception, tape & reel
▼ TUA 6045	SP000018086	PG-VQFN-48-1	Taifun 3: Full 3-band, low power RF tuner IC with integrated AGC amplifier, for portable TV reception, tape & reel

SMD = Surface Mounted Device

Type	Ordering Code	Package	Description
Wireless Communication			
Tuner ICs (cont'd)			
▼ KTS 6027-2 Evaboard	on request	—	Tuner: Evaluation board for KTS 6027-2
▼ KTS 6027-2 Ref Tuner	on request	—	Tuner: Reference tuner board with KTS 6027-2
▼ TDA 6190 T Evaboard	on request	—	Taifun: Evaluation board for TDA 6190 T
▼ TDA 6192 T Evaboard	on request	—	Taifun: Evaluation board for TDA 6192 T
▼ TUA 6020 Evaboard	on request	—	Tuner: Evaluation board for TUA 6020
▼ TUA 6024-2 Evaboard	on request	—	Tuner: Evaluation board for TUA 6024-2
▼ TUA 6030 Evaboard	on request	—	Tuner: Evaluation board for TUA 6030
▼ TUA 6034 + TDA 6190 T Low IF Half NIM	on request	—	Taifun: Low IF half NIM with TUA 6034 + TDA 6190 T
▼ TUA 60342 V Mini Half NIM	on request	—	Taifun: Mini half NIM board with TUA 6034 V
▼ TUA 6034 ATSC Reference NIM LGE Demod	on request	—	Taifun: Reference NIM board (ATSC) with LGE Demodulator with TUA 6034
▼ TUA 6034 ATSC Reference Tuner	on request	—	Taifun: Reference tuner board with TUA 6034
▼ TUA 6034 DVB-T Reference NIM Micronas Demod	on request	—	Taifun: Reference NIM (DVB-T) with Micronas Demodulator with TUA 6034
▼ TUA 6034 DVB-T Reference Tuner	on request	—	Taifun: Reference tuner board with TUA 6034
▼ TUA 6034 Evaboard	on request	—	Taifun: Evaluation board for TUA 6034
▼ TUA 6034 T+TDA 6192 T HALF NIM	on request	—	Taifun: Half NIM board with TUA 6034 T + TDA 6192 T
▼ TUA 6034 T ATSC Evaboard	on request	—	Taifun: Evaluation board (ISDB-T) for TUA 6045
▼ TUA 6034 T DVB Reference NIM Cad Data DVB-T with PNP PN2020	on request	—	Taifun: Reference NIM board (DVB-T) with TUA 6045
▼ TUA 6034 T ISDB-T Evaboard	on request	—	Taifun: Evaluation board (ISDB-T) for TUA 6034
▼ TUA 6034 T ISDB -T Reference Tuner	on request	—	Taifun: Reference tuner board (ISBD-T) with TUA 6034
▼ TUA 6034 V Evaboard	on request	—	Taifun: Evaluation board for TUA 6034 V
▼ TUA 6036 T Evaboard	on request	—	Tuner: Evaluation board for TUA 6036 T
▼ TUA6041 Evaboard	on request	—	Lighting: Evaluation board for TUA 6041
▼ TUA6041 Ref Tuner UHF	on request	—	Lighting: Reference tuner board (UHF) for TUA 6041
▼ TUA6045 Evaboard DVB-T	on request	—	Taifun 3: Evaluation board (DVB-T) for TUA 6045
▼ TUA6045 Evaboard ISDB-T	on request	—	Taifun 3: Evaluation board (ISDB-T) for TUA 6045
▼ TUA6045 Evaboard ATSC	on request	—	Taifun 3: Evaluation board (ATSC) for TUA 6045
▼ TUA6045 Evaboard T-DMB	on request	—	Taifun 3: Evaluation board (T-DMB) for TUA 6045
▼ TUA6045 Ref Tuner T-DMB/DAB (BAND III)	on request	—	Taifun 3: Reference tuner board (T-DMB/DAB Band III) with TUA 6045

SMD = Surface Mounted Device

Microcontrollers

2

Microcontrollers, 32-bit	26
Microcontrollers, 16-bit	28
Microcontrollers, 8-bit	46

Microcontrollers

Type	Ordering Code	Package	Description
Microcontrollers, 32-bit			
▼ SAF-TC1100-L100EB BB-Step	SP000099818	P-LBGA-208-2	Consumer class TriCore™ CPU with 4-stage pipeline, floating point unit, memory management unit, 144-Kbyte on-chip SRAM, multifunctional general purpose timer unit with three 32-bit timer/counters, one capture and compare unit 6 for PWM signal generation, 100-MHz clock frequency, -40°C to 85°C, tray
▼ SAF-TC1100-L100EB-G BB-Step	SP000106546	PG-LBGA-208-2	SAF-TC1100-L100EB, tray
▼ SAF-TC1100-L100EB BB-Step	SP000099817	P-LBGA-208-2	as SAF-TC1100-L100EB, tape & reel
▼ SAF-TC1100-L100EB-G BB-Step	SP000106545	PG-LBGA-208-2	
▼ SAF-TC1100-L150EB BB-Step	SP000106548	P-LBGA-208-2	as SAF-TC1100-L100EB, 150-MHz clock frequency, tray
▼ SAF-TC1100-L150EB-G BB-Step	SP000099816	PG-LBGA-208-2	
▼ SAF-TC1100-L150EB BB-Step	SP000106547	P-LBGA-208-2	as SAF-TC1100-L100EB, 150-MHz clock frequency, tape & reel
▼ SAF-TC1100-L150EB-G BB-Step	SP000099815	PG-LBGA-208-2	
▼ SAF-TC1115L-100EB BB-Step	SP000099814	P-LBGA-208-2	High performance TriCore™ CPU with 4-stage pipeline, floating point unit, memory management unit, 144-Kbyte on-chip SRAM, multifunctional general purpose timer unit with three 32-bit timer/counters, two capture and compare unit 6 for PWM signal generation, multiCAN module with four CAN nodes, 100-MHz clock frequency, -40°C to 85°C, tray
▼ SAF-TC1115L-100EB-G BB-Step	SP000106544	PG-LBGA-208-2	as SAF-TC1115L-100EB, tray
▼ SAF-TC1115L-100EB BB-Step	SP000099813	P-LBGA-208-2	as SAF-TC1115L-100EB, tape & reel
▼ SAF-TC1115L-100EB-G BB-Step	SP000106543	PG-LBGA-208-2	
▼ SAF-TC1115L-150EB BB-Step	SP000106542	P-LBGA-208-2	as SAF-TC1115L-100EB, 150-MHz clock frequency, tray
▼ SAF-TC1115L-150EB-G BB-Step	SP000099812	PG-LBGA-208-2	
▼ SAF-TC1115L-150EB BB-Step	SP000106541	P-LBGA-208-2	as SAF-TC1115L-100EB, 150-MHz clock frequency, tape & reel
▼ SAF-TC1115L-150EB-G BB-Step	SP000099811	PG-LBGA-208-2	
▼ SAF-TC1130L-100EB BB-Step	SP000099810	P-LBGA-208-2	Industrial communication controller, TriCore™ CPU with 4-stage pipeline, floating point unit, memory management unit, 144-Kbyte on-chip SRAM, fast Ethernet controller with 10/100-Mbit/s, multifunctional general purpose timer unit with three 32-bit timer/counters, two capture and compare unit 6 for PWM signal generation, multiCAN module with four CAN nodes, 100-MHz clock frequency, -40°C to 85°C, tray
▼ SAF-TC1130L-100EB-G BB-Step	SP000106540	PG-LBGA-208-2	as SAF-TC1130L-100EB, tray
▼ SAF-TC1130L-100EB BB-Step	SP000099809	P-LBGA-208-2	as SAF-TC1130L-100EB, tape & reel
▼ SAF-TC1130L-100EB-G BB-Step	SP000106539	PG-LBGA-208-2	
▼ SAF-TC1130L-150EB BB-Step	SP000099808	P-LBGA-208-2	as SAF-TC1130L-100EB, 150-MHz frequency, tray
▼ SAF-TC1130L-150EB-G BB-Step	SP000106538	PG-LBGA-208-2	
▼ SAF-TC1130L-150EB BB-Step	SP000099807	P-LBGA-208-2	as SAF-TC1130L-150EB, tape & reel
▼ SAF-TC1130L-150EB-G BB-Step	SP000106119	PG-LBGA-208-2	

SMD = Surface Mounted Device



Microcontrollers

Type	Ordering Code	Package	Description
Microcontrollers, 32-bit (cont'd)			
▼ SAF-TC1161-128F66HL AA-Step	SP000105856	P-LQFP-176-1	High performance TriCore™ CPU with 4-stage pipeline, 1-Mbyte embedded program flash, 16-Kbyte data flash, 48-Kbyte on-chip SRAM, floating point unit, 16-channel analog-to-digital converter unit with 8-, 10- or 12-bit resolution, general purpose timer array module, two asynchronous/synchronous serial channels with baud generator, 2-channel fast analog-to-digital converter unit, OCDS level 1 and 2, 66-MHz clock frequency, -40°C to 85°C, tray
▼ SAF-TC1162-128F66HL AA-Step	SP000105857	P-LQFP-176-1	as SAF-TC1161-128F66HL, with multiCAN module, two CAN nodes, tray
▼ SAF-TC1163-128F80HL AA-Step	SP000105858	PG-LQFP-176-1	as SAF-TC1161-128F66HL, 56-Kbyte on-chip SRAM, 80-MHz clock frequency, -40°C to 85°C, tray
▼ SAF-TC1164-128F80HL AA-Step	SP000105859	PG-LQFP-176-1	as SAF-TC1163-128F80HL, with multiCAN module, two CAN nodes, -40°C to 85°C, tray
▼ SAF-TC1165-192F80HL AA-Step	SP000105860	PG-LQFP-176-1	as SAF-TC1161-128F66HL, 1.5-Mbyte embedded program flash, 32-Kbyte data flash, 80-Kbyte on-chip SRAM, 80-MHz clock frequency, -40°C to 85°C, tray
▼ SAF-TC1166-192F80HL AA-Step	SP000105861	PG-LQFP-176-1	as SAF-TC1165-192F80HL, with multiCAN module, two CAN nodes, tray
▼ SAK-TC1765N-L40EB AC-Step	SP000013498	P-LBGA-260-2	Advanced TriCore™ based controller for automotive and industrial applications (AUDO1™ family), 8-channel DMA controller, 48-Kbyte on-chip SRAM, multifunctional general purpose timer unit, watchdog timer, two on-chip CAN interfaces, two A/D converter, 40-MHz clock frequency, OCDS level 1, -40°C to 125°C, tray
▼ SAK-TC1765N-L40EB-G AC-Step	SP000235281	PG-LBGA-260-2	as SAK-TC1765N-L40EB, additional 16-bit OCDS level 2 trace port, tape & reel
▼ SAK-TC1765T-L40EB AC-Step	SP000094463	P-LBGA-260-2	as SAK-TC1765N-L40EB, additional 16-bit OCDS level 2 trace port, tape & reel
SAK-TC1775-L40E BA-Step	SP000012965	P-BGA-329-1	Highly integrated TriCore™ based controller for automotive and industrial applications (AUDO1™ family), 93-Kbyte on-chip SRAM, multifunctional general purpose timer unit, watchdog timer, two on-chip CAN interfaces, two A/D converter, 40-MHz clock frequency, on-chip debug support (OCDS level 2), -40°C to 125°C, tray
▼ SAK-TC1775-L40E-G BA-Step	SP000235280	PG-BGA-329-1	as SAK-TC1775-L40E, additional 16-bit OCDS level 2 trace port, tape & reel
▼ SAK-TC1766-192F80HL BB-Step	SP000101658	PG-LQFP-176-1	High performance TriCore™ CPU with 4-stage pipeline (AUDO-NG family), 1.5-Mbyte embedded program flash, 32-Kbyte data flash, 76-Kbyte on-chip SRAM, floating point unit, one 32-channel analog-to-digital converter unit with 8-, 10- or 12-bit resolution, general purpose timer array module, two synchronous serial channels with programmable data length and shift direction, 2-channel fast analog-to-digital converter unit, OCDS level 1 and 2, with multiCAN module, two CAN nodes, 80-MHz clock frequency, -40°C to 125°C, tray
SAF-TC1796-256F100E BC-Step	SP000064091	P-BGA-416-4	Highly integrated TriCore™ based controller for high-end automotive and industrial applications (AUDO-NG family), 2-Mbyte embedded program flash with ECC, 128-Kbyte data flash for scalable 16-Kbyte EEPROM emulation, 208-Kbyte on-chip SRAM, 16-Kbyte instruction cache, single precision floating point unit (FPU), 16-channel DMA controller, multifunctional general purpose timer unit, watchdog timer, two A/D converter, on-chip debug support (OCDS level 2), four CAN nodes, 100-MHz clock frequency, -40°C to 85°C, tray
SAF-TC1796-256F150E BC-Step	SP000064092	P-BGA-416-4	as SAF-TC1796-256F100E, 150-MHz clock frequency, tray
▼ SAF-TC1796-256F150E BC-Step	SP000096055	P-BGA-416-4	as SAF-TC1796-256F150E, tape & reel
▼ SAK-TC1796-256F150E BC-Step	SP000097528	P-BGA-416-4	as SAK-TC1796-256F150E, tape & reel
▼ SAK-TC1796-256F150E BD-Step	SP000228013	P-BGA-416-4	as SAF-TC1796-256F150E, -40°C to 125°C, tray
▼ SAK-TC1796-256F150E-G BD-Step	SP000228336	PG-BGA-416-4	as SAK-TC1796-256F150E, -40°C to 125°C, tray

2

SMD = Surface Mounted Device

Microcontrollers

Type	Ordering Code	Package	Description
Microcontrollers, 16-bit			
▼ SAB-C161CS-LF CA-Step	SP000053817	P-TQFP-128-2	ROMless, 10-Kbyte on-chip SRAM, two on-chip CAN-interfaces (CAN1,CAN2), two 16-channel capture/compare units, 12-channel 10-bit ADC, watchdog timer, oscillator watchdog, additional 32-kHz oscillator, 25-MHz clock frequency, tray
▼ SAB-C161CS-LF CA-Step	SP000106860	PG-TQFP-128-2	
▼ SAB-C161CS-LF CA-Step	SP000016425	P-TQFP-128-2	as SAB-C161CS-LF, tape & reel
▼ SAB-C161CS-LF CA-Step	SP000106861	PG-TQFP-128-2	as SAB-C161CS-LF, -40°C to 85°C, tray
SAF-C161CS-LF CA-Step	SP000016999	P-TQFP-128-2	
▼ SAF-C161CS-LF	SP000106865	PG-TQFP-128-2	as SAF-C161CS-LF, tape & reel
▼ SAF-C161CS-LF	SP000014380	P-TQFP-128-2	
▼ SAF-C161CS-LF	SP000106866	PG-TQFP-128-2	as SAF-C161CS-LF, -40°C to 125°C, tray
▼ SAK-C161CS-LF CA-Step	SP000016997	P-TQFP-128-2	
▼ SAK-C161CS-LF CA-Step	SP000106868	PG-TQFP-128-2	as SAF-C161CS-LF, -40°C to 125°C, tape & reel
▼ SAK-C161CS-LF CA-Step	SP000016998	P-TQFP-128-2	
▼ SAK-C161CS-LF CA-Step	SP000106869	PG-TQFP-128-2	as SAB-C161CS-LF, one on-chip CAN-interface (CAN1), serial data link module J1850 (SDLM), tray
▼ SAB-C161JC-LF CA-Step	SP000057562	P-TQFP-128-2	
▼ SAB-C161JC-LF CA-Step	SP000057563	P-TQFP-128-2	as SAB-C161JC-LF, tape & reel
▼ SAK-C161JC-LF CA-Step	SP000057699	P-TQFP-128-2	as SAB-C161JC-LF, -40°C to 125°C, tray
▼ SAK-C161JC-LF CA-Step	SP000057698	P-TQFP-128-2	as SAK-C161JC-LF, tape & reel
▼ SAB-C161JI-LF CA-Step	SP000057588	P-TQFP-128-2	as SAB-C161JC-LF, without CAN-interface (CAN1), tape & reel
▼ SAF-C161JI-LF CA-Step	SP000057564	P-TQFP-128-2	as SAB-C161JI-LF, -40°C to 85°C, tape & reel
SAK-C161JI-32RF CA-Step	SP000065641	P-TQFP-128-2	as SAB-C161JI-LF, 256-Kbyte on-chip ROM, -40°C to 125°C, tray
▼ SAK-C161JI-32RF CA-Step	SP000057491	P-TQFP-128-2	as SAK-C161JI-32RF, tape & reel
SAB-C161K-LM HA-Step	SP000011584	P-MQFP-80-1	ROMless, 1-Kbyte on-chip RAM, one general purpose timer unit with 3 timers, two serial interfaces, 4 fast external interrupt inputs, 4-Mbyte address range, two chip select signals, DMUX bus, additional timer unit with capture input, operating range 5 V, 20-MHz clock frequency, tray
SAB-C161K-LM HA-Step	SP000011585	P-MQFP-80-1	as SAB-C161K-LM, tape & reel
SAF-C161K-LM HA-Step	SP000011620	P-MQFP-80-1	as SAB-C161K-LM, -40°C to 85°C, tray
▼ SAF-C161K-LM3V HA-Step	SP000011621	P-MQFP-80-1	as SAB-C161K-LM, operating range 3 V, -40°C to 85°C, tape & reel
SAB-C161O-LM HA-Step	SP000011586	P-MQFP-80-1	as SAB-C161K-LM, 2-Kbyte on-chip internal RAM, two general purpose timer units with 5 timers, four chip-select signals, tray
SAB-C161O-LM HA-Step	SP000011587	P-MQFP-80-1	as SAB-C161O-LM, tape & reel
SAF-C161O-LM HA-Step	SP000011622	P-MQFP-80-1	as SAB-C161O-LM, -40°C to 85°C, tray
SAF-C161O-LM HA-Step	SP000011623	P-MQFP-80-1	as SAF-C161O-LM, tape & reel
SAB-C161O-L25M HA-Step	SP000014268	P-MQFP-80-1	as SAB-C161O-LM, 25-MHz clock frequency, tape & reel
SAF-C161O-L25M HA-Step	SP000014269	P-MQFP-80-1	as SAB-C161O-L25M, -40°C to 85°C, tape & reel
SAB-C161O-LM3V HA-Step	SP000011588	P-MQFP-80-1	as SAB-C161O-LM, operating range 3 V, tape & reel
SAF-C161O-LM3V HA-Step	SP000011624	P-MQFP-80-1	as SAB-C161O-LM3V, -40°C to 85°C, tape & reel

2

SMD = Surface Mounted Device

Microcontrollers

Type	Ordering Code	Package	Description
Microcontrollers, 16-bit (cont'd)			
SAB-C161PI-LF CA-Step	SP000014344	P-TQFP-100-1	ROMless, 3-Kbyte RAM, 8-bit ADC, real time clock, general purpose timer units, I ² C Bus, USART, watchdog timer, idle and power down mode, operating range 5 V, 10-bit ADC, 20-MHz clock frequency, tape & reel
SAF-C161PI-LF CA-Step	SP000014359	P-TQFP-100-1	as SAB-C161PI-LF, -40°C to 85°C, tape & reel
SAB-C161PI-LF3V CA-Step	SP000014360	P-TQFP-100-1	as SAB-C161PI-LF, operating range 3 V, tape & reel
SAF-C161PI-LF3V CA-Step	SP000014361	P-TQFP-100-1	as SAB-C161PI-LF 3 V, -40°C to 85°C, tape & reel
▼ SAB-C161PI-L25F CA-Step	SP000014362	P-TQFP-100-1	as SAB-C161PI-LF, 25-MHz clock frequency, tape & reel
▼ SAF-C161PI-L25F CA-Step	SP000014363	P-TQFP-100-1	as SAB-C161PI-L25F, -40°C to 85°C, tape & reel
SAB-C161PI-LM CA-Step	SP000014345	P-MQFP-100-2	as SAB-C161PI-LF, MQFP package, tape & reel
SAF-C161PI-LM CA-Step	SP000014364	P-MQFP-100-2	as SAB-C161PI-LM, -40°C to 85°C, tape & reel
SAB-C161PI-LM3V CA-Step	SP000014365	P-MQFP-100-2	as SAB-C161PI-LM, operating range 3 V, tape & reel
SAF-C161PI-LM3V CA-Step	SP000014366	P-MQFP-100-2	as SAB-C161PI-LM 3V, -40°C to 85°C, tape & reel
▼ SAB-C161PI-L25M CA-Step	SP000014367	P-MQFP-100-2	as SAB-C161PI-LM, 25-MHz clock frequency, tape & reel
SAF-C161PI-L25M CA-Step	SP000014368	P-MQFP-100-2	as SAB-C161PI-L25M, -40°C to 85°C, tape & reel
SAB-C161S-L25M AA-Step	SP000014739	P-MQFP-80-7	as SAB-C161PI-LM, low cost version, 25-MHz clock frequency, tape & reel
SAF-C161S-L25M AA-Step	SP000014947	P-MQFP-80-7	as SAB-C161S-L25M, -40°C to 85°C, tape & reel
SAB-C161S-LM3V AA-Step	SP000014946	P-MQFP-80-7	as SAB-C161PI-LM, low cost version, operating range 3 V, tape & reel
SAF-C161S-LM3V AA-Step	SP000014948	P-MQFP-80-7	as SAB-C161PI-LM, -40°C to 85°C, tape & reel

2

SMD = Surface Mounted Device

Microcontrollers

Type	Ordering Code	Package	Description
Microcontrollers, 16-bit (cont'd)			
▼ SAF-XC161CJ-16F20F BB-Step	SP000083663	P-TQFP-144-19	128-Kbyte on-chip program memory (flash memory), 8-Kbyte RAM, programmable watchdog timer, oscillator watchdog, two 16-channel general purpose capture/compare units, TwinCAN module, two Full-CAN nodes, serial data link module (J1850), 12-channel 10-bit A/D converter, 20-MHz clock frequency, -40°C to 85°C, tape & reel
▼ SAF-XC161CJ-16F20F BB-Step	SP000231472	PG-TQFP-144-19	
▼ SAK-XC161CJ-16F20F BB-Step	SP000096148	P-TQFP-144-19	as SAF-XC161CJ-16F20F, -40°C to 125°C, tape & reel
▼ SAK-XC161CJ-16F20F BB-Step	SP000224538	PG-TQFP-144-19	
▼ SAF-XC161CJ-16F40F BB-Step	SP000096147	P-TQFP-144-19	as SAF-XC161CJ-16F20F, 40-MHz clock frequency, tape & reel
▼ SAF-XC161CJ-16F40F BB-Step	SP000224537	PG-TQFP-144-19	
▼ SAK-XC161CJ-16F40F BB-Step	SP000083664	P-TQFP-144-19	as SAF-XC161CJ-16F40F, -40°C to 125°C, tape & reel
▼ SAK-XC161CJ-16F40F BB-Step	SP000224540	PG-TQFP-144-19	
▼ SAF-XC161CS-32F20F BB-A-Step	SP000098772	P-TQFP-144-19	256-Kbyte on-chip program memory (flash memory), 12-Kbyte RAM, programmable watchdog timer, oscillator watchdog, two 16-channel general purpose capture/compare units, TwinCAN module, two Full-CAN nodes, serial data link module (J1850), 20-MHz clock frequency, -40°C to 85°C, tape & reel
▼ SAF-XC161CS-32F20F BB-A-Step	SP000224541	PG-TQFP-144-19	
▼ SAK-XC161CS-32F20F BB-A-Step	SP000098774	P-TQFP-144-19	as SAF-XC161CS-32F20F, -40°C to 125°C, tape & reel
▼ SAK-XC161CS-32F20F BB-A-Step	SP000224543	PG-TQFP-144-19	
▼ SAF-XC161CS-32F40F BB-A-Step	SP000098773	P-TQFP-144-19	as SAF-XC161CS-32F20F, 40-MHz clock frequency, tape & reel
▼ SAF-XC161CS-32F40F BB-A-Step	SP000224542	PG-TQFP-144-19	
▼ SAK-XC161CS-32F40F BB-A-Step	SP000098775	P-TQFP-144-19	as SAF-XC161CS-32F40F, -40°C to 125°C, tape & reel
▼ SAK-XC161CS-32F40F BB-A-Step	SP000224544	PG-TQFP-144-19	

2

SMD = Surface Mounted Device

Microcontrollers

Type	Ordering Code	Package	Description
Microcontrollers, 16-bit			
(cont'd)			
▼ SAF-C164CI-LM CA+-Step	SP000017582	P-MQFP-80-7	ROMless, 4-Kbyte on-chip static RAM, 10-bit- ADC, real time clock, programmable watchdog timer, oscillator watchdog, idle and power down mode, full CAN-controller (V 2.0 B active), 20-MHz clock frequency, -40°C to 85°C, tape & reel
▼ SAF-C164CI-LM CA+-Step	SP000103495	PG-MQFP-80-7	
SAK-C164CI-LM CA+-Step	SP000017581	P-MQFP-80-7	as SAF-C164CI-LM, -40°C to 125°C, CA-Step, tape & reel
▼ SAK-C164CI-LM CA+-Step	SP000103497	PG-MQFP-80-7	
SAF-C164CI-L25M CA-Step	SP000014436	P-MQFP-80-7	as SAF-C164CI-LM, 25-MHz clock frequency, CA-Step, tape & reel
▼ SAK-C164CI-L25M CA+-Step	SP000059303	P-MQFP-80-7	as SAF-C164CI-L25M, -40°C to 125°C, CA+-Step, tape & reel
SAB-C164CI-LM3V CA+-Step	SP000014439	P-MQFP-80-7	as SAF-C164CI-LM, operating range 3 V, -0°C to 70°C, tape & reel
▼ SAF-C164CI-8EM CB-Step	SP000067718	P-MQFP-80-7	as SAF-C164CI-LM, 64-Kbyte OTP-memory, drive control unit, tray
▼ SAF-C164CI-8EM CB-Step	SP000103498	PG-MQFP-80-7	
▼ SAF-C164CI-8EM CB-Step	SP000067719	P-MQFP-80-7	as SAF-C164CI-8EM, tape & reel
▼ SAF-C164CI-8EM CB-Step	SP000103499	PG-MQFP-80-7	
▼ SAF-C164CI-8EM DB-Step	SP000057429	P-MQFP-80-7	as SAF-C164CI-8EM, DB-Step, tray
▼ SAF-C164CI-8EM DB-Step	SP000104055	PG-MQFP-80-7	as SAF-C164CI-8EM, DB-Step, tape & reel
▼ SAF-C164CI-8EM DB-Step	SP000057430	P-MQFP-80-7	
▼ SAF-C164CI-8EM DB-Step	SP000104056	PG-MQFP-80-7	as SAF-C164CI-8M, -40°C to 125°C, tray
▼ SAK-C164CI-8EM CB-Step	SP000057420	P-MQFP-80-7	
▼ SAK-C164CI-8EM CB-Step	SP000103500	PG-MQFP-80-7	as SAK-C164CI-8EM, tape & reel
▼ SAK-C164CI-8EM CB-Step	SP000067720	P-MQFP-80-7	
▼ SAK-C164CI-8EM CB-Step	SP000103501	PG-MQFP-80-7	as SAK-C164CI-8EM, DA-Step, tape & reel
▼ SAK-C164CI-8EM DA-Step	SP000013602	P-MQFP-80-7	
▼ SAK-C164CI-8EM DB-Step	SP000054995	P-MQFP-80-7	as SAK-C164CI-8EM, DB-Step, tray
▼ SAK-C164CI-8EM DB-Step	SP000104059	PG-MQFP-80-7	
▼ SAK-C164CI-8EM DB-Step	SP000057419	P-MQFP-80-7	as SAK-C164CI-8EM, tape & reel
▼ SAK-C164CI-8EM DB-Step	SP000104060	PG-MQFP-80-7	
▼ SAF-C164CI-8E25M DB-Step	SP000057427	P-MQFP-80-7	as SAF-C164CI-8EM, 25-MHz clock frequency, tray
▼ SAF-C164CI-8E25M DB-Step	SP000104053	PG-MQFP-80-7	
▼ SAF-C164CI-8E25M DB-Step	SP000057428	P-MQFP-80-7	as SAF-C164CI-8E25M, tape & reel
▼ SAF-C164CI-8E25M DB-Step	SP000104054	PG-MQFP-80-7	
▼ SAF-C164CI-8E28M DB-Step	SP000057421	P-MQFP-80-7	as SAF-C164C8EM, 28-MHz clock frequency, tape & reel
▼ SAK-C164CI-8E25M DB-Step	SP000057431	P-MQFP-80-7	as SAF-C164CI-825M, tray
▼ SAK-C164CI-8E25M DB-Step	SP000104057	PG-MQFP-80-7	
▼ SAK-C164CI-8E25M DB-Step	SP000057417	P-MQFP-80-7	as SAK-C164CI-8E25M, tape & reel
▼ SAK-C164CI-8E25M DB-Step	SP000104058	PG-MQFP-80-7	

2

SMD = Surface Mounted Device

Microcontrollers

Type	Ordering Code	Package	Description
Microcontrollers, 16-bit (cont'd)			
▼ SAB-C164CL-8R25M CA+-Step	SP000084083	P-MQFP-80-7	as SAF-C164CI-LM, 16-Kbyte ROM, reduced CAPCOM functionality, 0°C to 70°C, 25-MHz clock frequency, tape & reel
▼ SAF-C164CM-4EF AB-Step	SP000068276	P-TQFP-64-4	32-Kbyte OTP memory, 2-Kbyte on-chip static RAM, 10-bit ADC, real time clock, programmable watchdog timer, oscillator watchdog,
▼ SAF-C164CM-4EF AB-Step	SP000104061	PG-TQFP-64-4	on-chip CAN-interface (V 2.0 B active), drive control unit, 20-MHz clock frequency, -40°C to 85°C, tray
▼ SAF-C164CM-4EF AB-Step	SP000068277	P-TQFP-64-4	
▼ SAF-C164CM-4EF AB-Step	SP000104062	PG-TQFP-64-4	as SAF-C164CM-EF, AB-Step, tape & reel
▼ SAK-C164CM-4EF AB-Step	SP000056829	P-TQFP-64-4	
▼ SAK-C164CM-4EF AB-Step	SP000104063	PG-TQFP-64-4	as SAF-C164CM-4EF, -40°C to 125°C, tape & reel
SAF-C164CM-4E25F	SP000065629	P-TQFP-64-4	as SAF-C164CM-4EF, 25-MHz clock frequency, tray

2

SMD = Surface Mounted Device

Microcontrollers

Type	Ordering Code	Package	Description
Microcontrollers, 16-bit (cont'd)			
▼ SAF-XC164CM-4F20F AA-Step	SP000203862	PG-TQFP-64-4	32-Kbyte on-chip program memory (flash memory), 2-Kbyte embedded static RAM, programmable watchdog timer, oscillator watchdog, one 16-channel purpose capture/compare units, TwinCAN module, one Full-CAN nodes, 14-channel 10-Bit A/D converter, 20-MHz clock frequency, -40°C to 85°C, tray
▼ SAF-XC164CM-4F20F AA-Step	SP000084408	PG-TQFP-64-4	as SAF-XC164CM-4F20F, tape & reel
▼ SAK-XC164CM-4F20F AA-Step	SP000203866	PG-TQFP-64-4	as SAF-XC164CM-4F20F, -40°C to 125°C, tray
▼ SAK-XC164CM-4F20F AA-Step	SP000084409	PG-TQFP-64-4	as SAK-XC164CM-4F20F, tape & reel
▼ SAF-XC164CM-4F40F AA-Step	SP000203863	PG-TQFP-64-4	as SAF-XC164CM-4F20F, 40-MHz clock frequency, tray
▼ SAF-XC164CM-4F40F AA-Step	SP000084410	PG-TQFP-64-4	as SAF-XC164CM-4F40F, tape & reel
▼ SAK-XC164CM-4F40F AA-Step	SP000203867	PG-TQFP-64-4	as SAF-XC164CM-4F40F, -40°C to 125°C, tray
▼ SAK-XC164CM-4F40F AA-Step	SP000084411	PG-TQFP-64-4	as SAK-XC164CM-4F40F, tape & reel
SAF-XC164CM-8F20F AA-Step	SP000203864	PG-TQFP-64-4	as SAF-XC164CM4F20F, 64-Kbyte on-chip program memory (flash memory), tray
SAF-XC164CM-8F20F AA-Step	SP000065633	PG-TQFP-64-4	as SAF-XC164CM8F20F, tape & reel
▼ SAK-XC164CM-8F20F AA-Step	SP000203868	PG-TQFP-64-4	as SAF-XC164CM-8F20F, -40°C to 125°C, tray
▼ SAK-XC164CM-8F20F AA-Step	SP000065643	PG-TQFP-64-4	as SAK-XC164CM-8F20F, tape & reel
SAF-XC164CM-8F40F AA-Step	SP000203865	PG-TQFP-64-4	as SAF-XC164CM-8F20F, 40-MHz clock frequency, tray
SAF-XC164CM-8F40F AA-Step	SP000065635	PG-TQFP-64-4	as SAF-XC164CM-8F40F, tape & reel
SAK-XC164CM-8F40F AA-Step	SP000203869	PG-TQFP-64-4	as SAF-XC164CM-8F40F, -40°C to 125°C, tray
SAK-XC164CM-8F40F AA-Step	SP000065644	PG-TQFP-64-4	as SAK-XC164CM-8F40F, tape & reel
▼ SAF-XC164CR-16F20F AA-Step	SP000205541	P-TQFP-64-4	as SAF-XC164CM-4F20F, without CAN interface, 128-Kbyte on-chip program memory (flash memory), tape & reel

2

SMD = Surface Mounted Device

Microcontrollers

Type	Ordering Code	Package	Description
Microcontrollers, 16-bit (cont'd)			
▼ SAF-XC164CS-8F20F BB-Step	SP000094524	P-TQFP-100-16	64-Kbyte on-chip program memory (flash memory), 6-Kbyte embedded static RAM, programmable watchdog timer, oscillator
▼ SAF-XC164CS-8F20F BB-Step	SP000224555	PG-TQFP-100-16	watchdog, two 16-channel purpose capture/compare units, TwinCAN module, two Full-CAN nodes, 14-channel 10-bit A/D converter, 20-MHz clock frequency, -40°C to 85°C, tray
▼ SAF-XC164CS-8F20F BB-Step	SP000094523	P-TQFP-100-16	as SAF-XC164CS-8F20F, tape & reel
▼ SAF-XC164CS-8F20F BB-Step	SP000224554	PG-TQFP-100-16	
▼ SAK-XC164CS-8F20F BB-Step	SP000224563	PG-TQFP-100-16	as SAF-XC164CS-8F20F, -40°C to 125°C, tray
▼ SAK-XC164CS-8F20F BB-Step	SP000096145	P-TQFP-100-16	as SAK-XC164CS-8F20F, tape & reel
▼ SAK-XC164CS-8F20F BB-Step	SP000224562	PG-TQFP-100-16	
▼ SAF-XC164CS-8F40F BB-Step	SP000094526	P-TQFP-100-16	as SAF-XC164CS-8F20F, 40-MHz clock frequency, tray
▼ SAF-XC164CS-8F40F BB-Step	SP000224557	PG-TQFP-100-16	
▼ SAF-XC164CS-8F40F BB-Step	SP000094525	P-TQFP-100-16	as SAF-XC164CS-8F40F, tape & reel
▼ SAF-XC164CS-8F40F BB-Step	SP000224556	PG-TQFP-100-16	
▼ SAK-XC164CS-8F40F BB-Step	SP000224565	PG-TQFP-100-16	as SAF-XC164CS-8F40F, -40°C to 125°C, tray
▼ SAK-XC164CS-8F40F BB-Step	SP000096146	P-TQFP-100-16	as SAK-XC164CS-8F40F, tape & reel
▼ SAK-XC164CS-8F40F BB-Step	SP000224564	PG-TQFP-100-16	
▼ SAF-XC164CS-16F20F BB-Step	SP000094305	P-TQFP-100-16	as SAF-XC164CS-8F20F, 128-Kbyte on-chip program memory (flash memory), tray
▼ SAF-XC164CS-16F20F BB-Step	SP000224551	PG-TQFP-100-16	
▼ SAF-XC164CS-16F20F BB-Step	SP000092085	P-TQFP-100-16	as SAF-XC164CS-16F20F, tape & reel
▼ SAK-XC164CS-16F20F BB-Step	SP000224559	PG-TQFP-100-16	as SAF-XC164CS-16F20F, -40°C to 125°C, tray
▼ SAK-XC164CS-16F20F BB-Step	SP000094533	P-TQFP-100-16	as SAK-XC164CS-16F20F, tape & reel
▼ SAK-XC164CS-16F20F BB-Step	SP000224558	PG-TQFP-100-16	
▼ SAF-XC164CS-16F40F BB-Step	SP000094313	P-TQFP-100-16	as SAF-XC164CS-16F20F, 40-MHz clock frequency, tray
▼ SAF-XC164CS-16F40F BB-Step	SP000224553	PG-TQFP-100-16	
▼ SAF-XC164CS-16F40F BB-Step	SP000094312	P-TQFP-100-16	as SAF-XC164CS-16F40F, tape & reel
▼ SAF-XC164CS-16F40F BB-Step	SP000224552	PG-TQFP-100-16	
▼ SAK-XC164CS-16F40F BB-Step	SP000224561	PG-TQFP-100-16	as SAF-XC164CS-16F40F, -40°C to 125°C, tray
▼ SAK-XC164CS-16F40F BB-Step	SP000083674	P-TQFP-100-16	as SAK-XC164CS-16F40F, tape & reel
▼ SAK-XC164CS-16F40F BB-Step	SP000224560	PG-TQFP-100-16	

2

SMD = Surface Mounted Device

Microcontrollers

Type	Ordering Code	Package	Description
Microcontrollers, 16-bit (cont'd)			
▼ SAF-XC164CS-32F20F BB-A-Step	SP000224591	PG-TQFP-100-16	as SAF-XC164CS-16F20F, 256-Kbyte on-chip program memory (flash memory), 12-Kbyte RAM, tray
▼ SAF-XC164CS-32F20F BB-A-Step	SP000098787	P-TQFP-100-16	as SAF-XC164CS-32F20F, tape & reel
▼ SAF-XC164CS-32F20F BB-A-Step	SP000224590	PG-TQFP-100-16	
▼ SAK-XC164CS-32F20F BB-A-Step	SP000224595	PG-TQFP-100-16	as SAF-XC164CS-32F20F, -40°C to 125°C, tray
▼ SAK-XC164CS-32F20F BB-A-Step	SP000098788	P-TQFP-100-16	as SAK-XC164CS-32F20F, tape & reel
▼ SAK-XC164CS-32F20F BB-A-Step	SP000222594	PG-TQFP-100-16	
▼ SAF-XC164CS-32F40F BB-A-Step	SP000224593	PG-TQFP-100-16	as SAF-XC164CS-32F20F, 40-MHz clock frequency, tray
▼ SAF-XC164CS-32F40F BB-A-Step	SP000098670	P-TQFP-100-16	as SAF-XC164CS-32F40F, tape & reel
▼ SAF-XC164CS-32F40F BB-A-Step	SP000224592	PG-TQFP-100-16	
▼ SAK-XC164CS-32F40F BB-A-Step	SP000224597	PG-TQFP-100-16	as SAF-XC164CS-32F40F, -40°C to 125°C, tray
▼ SAK-XC164CS-32F40F BB-A-Step	SP000087332	P-TQFP-100-16	as SAK-XC164CS-32F40F, tape & reel
▼ SAK-XC164CS-32F40F BB-A-Step	SP000224596	PG-TQFP-100-16	

2

SMD = Surface Mounted Device

Microcontrollers

Type	Ordering Code	Package	Description
Microcontrollers, 16-bit (cont'd)			
▼ SAF-XC164D-8F20F BB-Step	SP000094511	P-TQFP-100-16	64-Kbyte on-chip program memory (flash memory), 6-Kbyte embedded static RAM, programmable watchdog timer, oscillator
▼ SAF-XC164D-8F20F BB-Step	SP000224581	PG-TQFP-100-16	watchdog, two 16-channel purpose capture/compare units, TwinCAN module, two Full-CAN nodes, CAPCOM6E module, power saving modes, 20-MHz clock frequency, -40°C to 85°C, tray
▼ SAF-XC164D-8F20F BB-Step	SP000094510	P-TQFP-100-16	as SAF-XC164D-8F20F, tape & reel
▼ SAF-XC164D-8F20F BB-Step	SP000224580	PG-TQFP-100-16	
▼ SAF-XC164D-8F40F BB-Step	SP000094513	P-TQFP-100-16	as SAF-XC164D-8F20F, 40-MHz clock frequency, tray
▼ SAF-XC164D-8F40F BB-Step	SP000224587	PG-TQFP-100-16	
▼ SAF-XC164D-8F40F BB-Step	SP000094512	P-TQFP-100-16	as SAF-XC164D-8F40F, tape & reel
▼ SAF-XC164D-8F40F BB-Step	SP000224586	PG-TQFP-100-16	
▼ SAF-XC164D-16F20F BB-Step	SP000094288	P-TQFP-100-16	as SAF-XC164D-8F20F, 128-Kbyte on-chip program memory (flash memory), tray
▼ SAF-XC164D-16F20F BB-Step	SP000224569	PG-TQFP-100-16	
▼ SAF-XC164D-16F20F BB-Step	SP000094287	P-TQFP-100-16	as SAF-XC164D-16F20F, tape & reel
▼ SAF-XC164D-16F20F BB-Step	SP000224568	PG-TQFP-100-16	
▼ SAF-XC164D-16F40F BB-Step	SP000094300	P-TQFP-100-16	as SAF-XC164D-16F20F, 40-MHz clock frequency, tray
▼ SAF-XC164D-16F40F BB-Step	SP000224573	PG-TQFP-100-16	
▼ SAF-XC164D-16F40F BB-Step	SP000094299	P-TQFP-100-16	as SAF-XC164D-16F40F, tape & reel
▼ SAF-XC164D-16F40F BB-Step	SP000224572	PG-TQFP-100-16	

2

SMD = Surface Mounted Device

Microcontrollers

Type	Ordering Code	Package	Description
Microcontrollers, 16-bit (cont'd)			
▼ SAF-XC164GM-4F20F AA-Step	SP000203871	PG-TQFP-64-4	32-Kbyte on-chip program memory (flash memory), 2-Kbyte embedded static RAM, programmable watchdog timer, oscillator watchdog, TwinCAN module, one Full-CAN nodes, 14-channel 10-Bit A/D converter, 20-MHz clock frequency, -40°C to 85°C, tray
▼ SAF-XC164GM-4F20F AA-Step	SP000105862	PG-TQFP-64-4	as SAF-XC164GM-4F20F, tape & reel
▼ SAF-XC164GM-4F40F AA-Step	SP000203876	PG-TQFP-64-4	as SAF-XC164GM-4F20F, 40-MHz clock frequency, tray
▼ SAF-XC164GM-4F40F AA-Step	SP000105867	PG-TQFP-64-4	as SAF-XC164GM-4F40F, tape & reel
▼ SAF-XC164GM-8F20F AA-Step	SP000203881	PG-TQFP-64-4	as SAF-XC164GM-4F20F, 64-Kbyte on-chip program memory (flash memory), tray
▼ SAF-XC164GM-8F20F AA-Step	SP000105744	PG-TQFP-64-4	as SAF-XC164GM-8F20F, tape & reel
▼ SAF-XC164GM-8F40F AA-Step	SP000203886	PG-TQFP-64-4	as SAF-XC164GM-8F20F, 40-MHz clock frequency, tray
▼ SAF-XC164GM-8F40F AA-Step	SP000105876	PG-TQFP-64-4	as SAF-XC164GM-8F40F, tape & reel
▼ SAF-XC164KM-4F20F AA-Step	SP000203872	PG-TQFP-64-4	32-Kbyte on-chip program memory (flash memory), 2-Kbyte embedded static RAM, programmable watchdog timer, oscillator watchdog, one 16-channel purpose capture/compare units, TwinCAN module, one Full-CAN nodes, 20-MHz clock frequency, -40°C to 85°C, tray
▼ SAF-XC164KM-4F20F AA-Step	SP000105863	PG-TQFP-64-4	as SAF-XC164KM-4F20F, tape & reel
▼ SAF-XC164KM-4F40F AA-Step	SP000203877	PG-TQFP-64-4	as SAF-XC164KM-4F20F, 40-MHz clock frequency, tray
▼ SAF-XC164KM-4F40F AA-Step	SP000105868	PG-TQFP-64-4	as SAF-XC164KM-4F40F, tape & reel
▼ SAF-XC164KM-8F20F AA-Step	SP000203882	PG-TQFP-64-4	as SAF-XC164KM-4F20F, 64-Kbyte on-chip program memory (flash memory), tray
▼ SAF-XC164KM-8F20F AA-Step	SP000105872	PG-TQFP-64-4	as SAF-XC164KM-8F20F, tape & reel
▼ SAF-XC164KM-8F40F AA-Step	SP000203887	PG-TQFP-64-4	as SAF-XC164KM-8F20F, 40-MHz clock frequency, tray
▼ SAF-XC164KM-8F40F AA-Step	SP000105877	PG-TQFP-64-4	as SAF-XC164KM-8F40F, tape & reel
▼ SAF-XC164LM-4F20F AA-Step	SP000203873	PG-TQFP-64-4	32-Kbyte on-chip program memory (flash memory), 2-Kbyte embedded static RAM, programmable watchdog timer, oscillator watchdog, 20-MHz clock frequency, -40°C to 85°C, tray
▼ SAF-XC164LM-4F20F AA-Step	SP000105864	PG-TQFP-64-4	as SAF-XC164LM-4F20F, tape & reel
▼ SAF-XC164LM-4F40F AA-Step	SP000203878	PG-TQFP-64-4	as SAF-XC164LM-4F20F, 40-MHz clock frequency, tray
▼ SAF-XC164LM-4F40F AA-Step	SP000105869	PG-TQFP-64-4	as SAF-XC164LM-4F40F, tape & reel
▼ SAF-XC164LM-8F20F AA-Step	SP000203883	PG-TQFP-64-4	as SAF-XC164LM-4F20F, 64-Kbyte on-chip program memory (flash memory), tray
▼ SAF-XC164LM-8F20F AA-Step	SP000105873	PG-TQFP-64-4	as SAF-XC164LM-8F20F, tape & reel
▼ SAF-XC164LM-8F40F AA-Step	SP000203888	PG-TQFP-64-4	as SAF-XC164LM-8F20F, 40-MHz clock frequency, tray
▼ SAF-XC164LM-8F40F AA-Step	SP000105878	PG-TQFP-64-4	as SAF-XC164LM-8F40F, tape & reel

2

SMD = Surface Mounted Device

Microcontrollers

Type	Ordering Code	Package	Description
Microcontrollers, 16-bit (cont'd)			
▼ SAF-XC164N-8F20F BB-Step	SP000094515	P-TQFP-100-16	64-Kbyte on-chip program memory (flash memory), 6-Kbyte embedded static RAM, programmable watchdog timer, oscillator watchdog, two 16-channel purpose capture/compare units, two Full-CAN nodes, CAPCOM6E module, power saving modes, 20-MHz clock frequency, -40°C to 85°C, tray
▼ SAF-XC164N-8F20F BB-Step	SP000224583	PG-TQFP-100-16	
▼ SAF-XC164N-8F20F BB-Step	SP000094514	P-TQFP-100-16	as SAF-XC164N-8F20F, tape & reel
▼ SAF-XC164N-8F20F BB-Step	SP000224582	PG-TQFP-100-16	
▼ SAF-XC164N-8F40F BB-Step	SP000094518	P-TQFP-100-16	as SAF-XC164N-8F40F, 40-MHz clock frequency, tray
▼ SAF-XC164N-8F40F BB-Step	SP000224589	PG-TQFP-100-16	
▼ SAF-XC164N-8F40F BB-Step	SP000094517	P-TQFP-100-16	as SAF-XC164N-8F40F, tape & reel
▼ SAF-XC164N-8F40F BB-Step	SP000224588	PG-TQFP-100-16	
▼ SAF-XC164N-16F20F BB-Step	SP000094290	P-TQFP-100-16	as SAF-XC164N-8F20F, 128-Kbyte on-chip program memory (flash memory), tray
▼ SAF-XC164N-16F20F BB-Step	SP000224571	PG-TQFP-100-16	
▼ SAF-XC164N-16F20F BB-Step	SP000094289	P-TQFP-100-16	as SAF-XC164N-16F20F, tape & reel
▼ SAF-XC164N-16F20F BB-Step	SP000224570	PG-TQFP-100-16	
▼ SAF-XC164N-16F40F BB-Step	SP000094302	P-TQFP-100-16	as SAF-XC164N-16F40F, 40-MHz clock frequency, tray
▼ SAF-XC164N-16F40F BB-Step	SP000224575	PG-TQFP-100-16	
▼ SAF-XC164N-16F40F BB-Step	SP000094301	P-TQFP-100-16	as SAF-XC164N-16F40F, tape & reel
▼ SAF-XC164N-16F40F BB-Step	SP000224574	PG-TQFP-100-16	

2

SMD = Surface Mounted Device

Microcontrollers

Type	Ordering Code	Package	Description
Microcontrollers, 16-bit (cont'd)			
▼ SAF-XC164S-8F20F BB-Step	SP000094520	P-TQFP-100-16	64-Kbyte on-chip program memory (flash memory), 6-Kbyte embedded static RAM, programmable watchdog timer, oscillator
▼ SAF-XC164S-8F20F BB-Step	SP000224579	PG-TQFP-100-16	watchdog, two 16-channel purpose capture/compare units, 14-channel 10-bit A/D converter, two Full-CAN nodes, CAPCOM6E module, power saving modes, 20-MHz clock frequency, -40°C to 85°C, tray
▼ SAF-XC164S-8F20F BB-Step	SP000094519	P-TQFP-100-16	as SAF-XC164S-8F20F, tape & reel
▼ SAF-XC164S-8F20F BB-Step	SP000224578	PG-TQFP-100-16	
▼ SAF-XC164S-8F40F BB-Step	SP000094522	P-TQFP-100-16	as SAF-XC164S-8F20F, 40-MHz clock frequency, tray
▼ SAF-XC164S-8F40F BB-Step	SP000224585	PG-TQFP-100-16	
▼ SAF-XC164S-8F40F BB-Step	SP000094521	P-TQFP-100-16	as SAF-XC164S-8F40F, tape & reel
▼ SAF-XC164S-8F40F BB-Step	SP000224584	PG-TQFP-100-16	
▼ SAF-XC164S-16F20F BB-Step	SP000094298	P-TQFP-100-16	as SAF-XC164S-8F20F, 128-Kbyte on-chip program memory (flash memory), tray
▼ SAF-XC164S-16F20F BB-Step	SP000224567	PG-TQFP-100-16	
▼ SAF-XC164S-16F20F BB-Step	SP000094296	P-TQFP-100-16	as SAF-XC164S-16F20F, tape & reel
▼ SAF-XC164S-16F20F BB-Step	SP000224566	PG-TQFP-100-16	
▼ SAF-XC164S-16F40F BB-Step	SP000094304	P-TQFP-100-16	as SAF-XC164S-16F20F, 40-MHz clock frequency, tray
▼ SAF-XC164S-16F40F BB-Step	SP000224577	PG-TQFP-100-16	
▼ SAF-XC164S-16F40F BB-Step	SP000094303	P-TQFP-100-16	as SAF-XC164S-16F40F, tape & reel
▼ SAF-XC164S-16F40F BB-Step	SP000224576	PG-TQFP-100-16	

2

SMD = Surface Mounted Device

Microcontrollers

Type	Ordering Code	Package	Description
Microcontrollers, 16-bit (cont'd)			
▼ SAF-XC164SM-4F20F AA-Step	SP000203874	PG-TQFP-64-4	32-Kbyte on-chip program memory (flash memory), 2-Kbyte embedded static RAM, programmable watchdog timer, oscillator watchdog, one 16-channel purpose capture/compare units, 14-channel 10-Bit A/D converter, 20-MHz clock frequency, -40°C to 85°C, tray
▼ SAF-XC164SM-4F20F AA-Step	SP000105865	PG-TQFP-64-4	as SAF-XC164SM-4F20F, tape & reel
▼ SAF-XC164SM-4F40F AA-Step	SP000203879	PG-TQFP-64-4	as SAF-XC164SM-4F20F, 40-MHz clock frequency, tray
▼ SAF-XC164SM-4F40F AA-Step	SP000105870	PG-TQFP-64-4	as SAF-XC164SM-4F40F, tape & reel
▼ SAF-XC164SM-8F20F AA-Step	SP000203884	PG-TQFP-64-4	as SAF-XC164SM-4F20F, 64-Kbyte on-chip program memory (flash memory), tray
▼ SAF-XC164SM-8F20F AA-Step	SP000105874	PG-TQFP-64-4	as SAF-XC164SM-8F20F, tape & reel
▼ SAF-XC164SM-8F40F AA-Step	SP000203889	PG-TQFP-64-4	as SAF-XC164SM-8F20F, 40-MHz clock frequency, tray
▼ SAF-XC164SM-8F40F AA-Step	SP000105879	PG-TQFP-64-4	as SAF-XC164SM-8F40F, tape & reel
▼ SAF-XC164TM-4F20F AA-Step	SP000203875	PG-TQFP-64-4	32-Kbyte on-chip program memory (flash memory), 2-Kbyte embedded static RAM, programmable watchdog timer, oscillator watchdog, 14-channel 10-Bit A/D converter, 20-MHz clock frequency, -40°C to 85°C, tray
▼ SAF-XC164TM-4F20F AA-Step	SP000105866	PG-TQFP-64-4	as SAF-XC164TM-4F20F, tape & reel
▼ SAF-XC164TM-4F40F AA-Step	SP000203880	PG-TQFP-64-4	as SAF-XC164TM-4F20F, 40-MHz clock frequency, tray
▼ SAF-XC164TM-4F40F AA-Step	SP000105871	PG-TQFP-64-4	as SAF-XC164TM-4F40F, tape & reel
▼ SAF-XC164TM-8F20F AA-Step	SP000203885	PG-TQFP-64-4	as SAF-XC164TM-4F20F, 64-Kbyte on-chip program memory (flash memory), tray
▼ SAF-XC164TM-8F20F AA-Step	SP000105875	PG-TQFP-64-4	as SAF-XC164TM-8F20F, tape & reel
▼ SAF-XC164TM-8F40F AA-Step	SP000203890	PG-TQFP-64-4	as SAF-XC164TM-8F20F, 40-MHz clock frequency, tray
▼ SAF-XC164TM-8F40F AA-Step	SP000105880	PG-TQFP-64-4	as SAF-XC164TM-8F40F, tape & reel

2

SMD = Surface Mounted Device

Microcontrollers

Type	Ordering Code	Package	Description
Microcontrollers, 16-bit			
(cont'd)			
SAB-C165-LF HA-Step	SP000011595	P-TQFP-100-1	as SAB-C165-LM, P-TQFP package, operating range 5 V, tray
SAB-C165-LF HA-Step	SP000011596	P-TQFP-100-1	as SAB-C165-LF, tape & reel
SAF-C165-LF HA-Step	SP000011631	P-TQFP-100-1	as SAB-C165-LF, -40°C to 85°C, tape & reel
SAB-C165-LF3V HA-Step	SP000011597	P-TQFP-100-1	as SAB-C165-LF, operating range 3 V, tape & reel
SAF-C165-LF3V HA-Step	SP000011632	P-TQFP-100-1	as SAB-C165-LF3V, -40°C to 85°C, tape & reel
SAB-C165-L25F HA-Step	SP000011591	P-TQFP-100-1	as SAB-C165-LF, 25-MHz clock frequency, tray
SAB-C165-L25F HA-Step	SP000011592	P-TQFP-100-1	as SAB-C165-LF, tape & reel
SAF-C165-L25F HA-Step	SP000012870	P-TQFP-100-1	as SAB-C165-L25F, -40°C to 85°C, tape & reel
SAB-C165-LM HA-Step	SP000011598	P-MQFP-100-2	ROMless, 2-Kbyte RAM, MCU-Core, compatible with SAB 80C166, additional 8 fast ext. interrupt inputs, 16-Mbyte address range, watchdog timer, 2 complex timer units, 2 serial interfaces, operating range 5 V, 20-MHz clock frequency, tray
SAB-C165-LM HA-Step	SP000011599	P-MQFP-100-2	as SAB-C165-LM, tape & reel
SAF-C165-LM HA-Step	SP000011633	P-MQFP-100-2	as SAB-C165-LM, -40°C to 85°C, tray
▼ SAF-C165-LM HA-Step	SP000011634	P-MQFP-100-2	as SAF-C165-LM, tape & reel
SAB-C165-LM3V HA-Step	SP000011600	P-MQFP-100-2	as SAB-C165-LM, operating range 3 V, tape & reel
SAF-C165-LM3V HA-Step	SP000011635	P-MQFP-100-2	as SAB-C165-LM3V, -40°C to 85°C, tape & reel
SAB-C165-L25M HA-Step	SP000011593	P-MQFP-100-2	as SAB-C165-LM, 25-MHz clock frequency, tray
SAB-C165-L25M HA-Step	SP000011594	P-MQFP-100-2	as SAB-C165-LM, tape & reel
SAF-C165-L25M HA-Step	SP000011629	P-MQFP-100-2	as SAB-C165-L25M, -40°C to 85°C, tray
SAF-C165-L25M HA-Step	SP000011630	P-MQFP-100-2	as SAB-C165-LM, tape & reel

2

SMD = Surface Mounted Device

Microcontrollers

Type	Ordering Code	Package	Description
Microcontrollers, 16-bit (cont'd)			
▼ SAB-C167CR-LM HA+-Step	SP000017976	P-MQFP-144-6	ROMless, 2 × 2-Kbyte RAM, MCU-Core, compatible with SAB 80C166, 10-bit A/D converter, PWM unit, additional 8 fast ext. interrupt inputs, 16-Mbyte address range, watchdog timer, 2 complex timer units, two capture/compare units (32 registers, 4 timers), additional I/O lines, 2 serial interfaces, with CAN, with PLL, 20-MHz clock frequency, tray
▼ SAB-C167CR-LM HA+-Step	SP000103462	PG-MQFP-144-6	as SAB-C167CR-LM, tray
▼ SAB-C167CR-LM HA+-Step	SP000017975	P-MQFP-144-6	as SAB-C167CR-LM, HA+-Step, tape & reel
▼ SAB-C167CR-LM HA+-Step	SP000103463	PG-MQFP-144-6	as SAB-C167CR-LM, tape & reel
▼ SAF-C167CR-LM HA+-Step	SP000016759	P-MQFP-144-6	as SAF-C167CR-LM, HA+-Step, tray
▼ SAF-C167CR-LM HA+-Step	SP000103464	PG-MQFP-144-6	as SAF-C167CR-LM, tray
SAF-C167CR-LM HA+-Step	SP000017995	P-MQFP-144-6	as SAF-C167CR-LM, HA+-Step, tape & reel
▼ SAF-C167CR-LM HA+-Step	SP000103465	PG-MQFP-144-6	as SAF-C167CR-LM, tape & reel
▼ SAK-C167CR-LM HA+-Step	SP000016753	P-MQFP-144-6	as SAK-C167CR-LM, HA+-Step, tray
▼ SAK-C167CR-LM HA+-Step	SP000103466	PG-MQFP-144-6	
▼ SAK-C167CR-LM HA+-Step	SP000016521	P-MQFP-144-6	as SAK-C167CR-LM, HA+-Step, tape & reel
▼ SAK-C167CR-LM HA+-Step	SP000103467	PG-MQFP-144-6	
▼ SAK-C167CR-L33M HA+-Step	SP000017997	P-MQFP-144-6	as SAK-C167CR-L33M, HA+-Step, tray
▼ SAK-C167CR-L33M HA+-Step	SP000103460	PG-MQFP-144-6	
▼ SAK-C167CR-L33M HA+-Step	SP000017993	P-MQFP-144-6	as SAK-C167CR-L33M, HA+-Step, tape & reel
▼ SAK-C167CR-L33M HA+-Step	SP000103461	PG-MQFP-144-6	
▼ SAB-C167CR-16RM HA+-Step	SP000083849	P-MQFP-144-6	as SAB-C167CR-LM, 128-Kbyte ROM, tape & reel
▼ SAK-C167CR-16RM HA+-Step	SP000065652	P-MQFP-144-6	as SAB-C167CR-16RM, -40°C to 125°C, tape & reel

2

SMD = Surface Mounted Device

Microcontrollers

Type	Ordering Code	Package	Description
Microcontrollers, 16-bit (cont'd)			
SAB-C167CS-LM CA+-Step	SP000067513	P-MQFP-144-6	as SAB-C167CR-LM, two on-chip CAN-interfaces, tray
▼ SAB-C167CS-LM CA+-Step	SP000103483	PG-MQFP-144-6	
SAB-C167CS-LM CA+-Step	SP000017996	P-MQFP-144-6	as SAB-C167CS-LM, tape & reel
▼ SAB-C167CS-LM CA+-Step	SP000103488	PG-MQFP-144-6	
▼ SAB-C167CS-LM CA+-Step	SP000103484	PG-MQFP-144-6	as SAB-C167CS-LM, tape & reel
SAF-C167CS-LM CA+-Step	SP000018000	P-MQFP-144-6	as SAB-C167CS-LM, -40°C to 85°C, tray
▼ SAF-C167CS-LM CA+-Step	SP000103487	PG-MQFP-144-6	
SAF-C167CS-LM CA+-Step	SP000017992	P-MQFP-144-6	as SAF-C167CS-LM, tape & reel
SAK-C167CS-LM CA+-Step	SP000016750	P-MQFP-144-6	as SAB-C167CS-LM, -40°C to 125°C, tray
▼ SAK-C167CS-LM CA+-Step	SP000103492	PG-MQFP-144-6	
SAK-C167CS-LM CA+-Step	SP000016504	P-MQFP-144-6	as SAK-C167CS-LM, tape & reel
▼ SAK-C167CS-LM CA+-Step	SP000103493	PG-MQFP-144-6	
▼ SAF-C167CS-L16M3V CA+-Step	SP000103469	PG-MQFP-144-6	as SAB-C167CS-LM, 16-MHz clock frequency, operating range 3 V, tray
SAF-C167CS-L16M3V CA+-Step	SP000017109	P-MQFP-144-6	as SAF-C167CS-L16M3V, tape & reel
▼ SAF-C167CS-L16M3V CA+-Step	SP000103470	PG-MQFP-144-6	
▼ SAF-C167CS-L33M CA+-Step	SP000016732	P-MQFP-144-6	as SAB-C167CS-LM, 33-MHz clock frequency, -40°C to 85°C, tray
▼ SAF-C167CS-L33M CA+-Step	SP000103485	PG-MQFP-144-6	
▼ SAF-C167CS-L33M CA-Step	SP000016731	P-MQFP-144-6	as SAF-C167CS-L33M, tape & reel
▼ SAF-C167CS-L33M CA+-Step	SP000103486	PG-MQFP-144-6	
▼ SAK-C167CS-L33M CA+-Step	SP000017988	P-MQFP-144-6	as SAF-C167CS-L33M, -40°C to 125°C, tape & reel
▼ SAK-C167CS-L33M CA+-Step	SP000103489	PG-MQFP-144-6	
▼ SAB-C167CS-L40M CA+-Step	SP000017984	P-MQFP-144-6	as SAB-C167CS-LM, 40-MHz clock frequency, tray
▼ SAB-C167CS-L40M CA+-Step	SP000103471	PG-MQFP-144-6	
▼ SAB-C167CS-L40M CA+-Step	SP000103468	PG-MQFP-144-6	as SAB-C167CS-LM, 40-MHz clock frequency, tape & reel
SAK167CS-L40M CA+-Step	SP000016752	P-MQFP-144-6	as SAB-C167CS-L40M, -40°C to 125°C, tray
▼ SAK167CS-L40M CA+-Step	SP000103490	PG-MQFP-144-6	
SAK-C167CS-L40M CA+-Step	SP000016751	P-MQFP-144-6	as SAK-C167CS-L40M, tape & reel
▼ SAK-C167CS-L40M CA+-Step	SP000103491	PG-MQFP-144-6	

2

SMD = Surface Mounted Device

Microcontrollers

Type	Ordering Code	Package	Description
Microcontrollers, 16-bit (cont'd)			
SAB-C167SR-LM HA+-Step	SP000017980	P-MQFP-144-6	as SAB-C167CR-LM, without CAN interface, tray
▼ SAB-C167SR-LM HA+-Step	SP000103456	PG-MQFP-144-6	
SAB-C167SR-LM HA+-Step	SP000017982	P-MQFP-144-6	as SAB-C167SR-LM, tape & reel
▼ SAB-C167SR-LM HA+-Step	SP000103457	PG-MQFP-144-6	
SAK-C167SR-LM HA+-Step	SP000017999	P-MQFP-144-6	as SAB-C167SR-LM, -40°C to 125°C, tray
▼ SAK-C167SR-LM HA+-Step	SP000103458	PG-MQFP-144-6	
SAK-C167SR-LM HA+-Step	SP000016522	P-MQFP-144-6	as SAK-C167SR-LM, tape & reel
▼ SAK-C167SR-LM HA+-Step	SP000103459	PG-MQFP-144-6	

2

SMD = Surface Mounted Device

Microcontrollers

Type	Ordering Code	Package	Description
Microcontrollers, 16-bit (cont'd)			
▼ SAF-XC167CI-16F20F BB-Step	SP000094528	P-TQFP-144-19	128-Kbyte on-chip program memory (flash memory), 8-Kbyte on-chip RAM, programmable watchdog timer, oscillator
▼ SAF-XC167CI-16F20F BB-Step	SP000224688	PG-TQFP-144-19	watchdog, two 16-channel purpose capture/compare units, 16-channel 10-bit A/D converter, TwinCAN module, two Full-CAN nodes, 20-MHz clock frequency, -40°C to 85°C, tray
▼ SAF-XC167CI-16F20F BB-Step	SP000094527	P-TQFP-144-19	as SAF-XC167CI-8F20F, tape & reel
▼ SAF-XC167CI-16F20F BB-Step	SP000224687	PG-TQFP-144-19	
▼ SAK-XC167CI-16F20F BB-Step	SP000224692	PG-TQFP-144-19	as SAF-XC167CI-16F-20F, -40°C to 125°C, tray
▼ SAK-XC167CI-16F20F BB-Step	SP000094531	P-TQFP-144-19	as SAK-XC167CI-16F-20F, tape & reel
▼ SAK-XC167CI-16F20F BB-Step	SP000224691	PG-TQFP-144-19	
▼ SAF-XC167CI-16F40F BB-Step	SP000094530	P-TQFP-144-19	as SAF-XC167CI-16F20F, 40-MHz clock frequency, tray
▼ SAF-XC167CI-16F40F BB-Step	SP000224690	PG-TQFP-144-19	
▼ SAF-XC167CI-16F40F BB-Step	SP000094529	P-TQFP-144-19	as SAF-XC167CI-16F40F, tape & reel
▼ SAF-XC167CI-16F40F BB-Step	SP000224689	PG-TQFP-144-19	
▼ SAK-XC167CI-16F40F BB-Step	SP000094546	P-TQFP-144-19	as SAF-XC167CI-16F40F, -40°C to 125°C, tray
▼ SAK-XC167CI-16F40F BB-Step	SP000224695	PG-TQFP-144-19	
▼ SAK-XC167CI-16F40F BB-Step	SP000094545	P-TQFP-144-19	as SAK-XC167CI-16F40F, tape & reel
▼ SAK-XC167CI-16F40F BB-Step	SP000224694	PG-TQFP-144-19	
▼ SAF-XC167CI-32F20F BB-A-Step	SP000224701	PG-TQFP-144-19	as SAF-XC167CI-16F20F, 256-Kbytes on-chip program memory (flash memory), 12-Kbyte RAM, tray
▼ SAF-XC167CI-32F20F BB-A-Step	SP000098776	P-TQFP-144-19	as SAF-XC167CI-32F20F, tape & reel
▼ SAF-XC167CI-32F20F BB-A-Step	SP000224700	PG-TQFP-144-19	
▼ SAK-XC167CI-32F20F BB-A-Step	SP000224705	PG-TQFP-144-19	as SAF-XC167CI-32F20F, -40°C to 125°C, tray
▼ SAK-XC167CI-32F20F BB-A-Step	SP000098777	P-TQFP-144-19	as SAK-XC167CI-32F20F, tape & reel
▼ SAK-XC167CI-32F20F BB-A-Step	SP000224704	PG-TQFP-144-19	
▼ SAF-XC167CI-32F40F BB-A-Step	SP000224703	PG-TQFP-144-19	as SAF-XC167CI-32F20F, 40-MHz clock frequency, tray
▼ SAF-XC167CI-32F40F BB-A-Step	SP000104964	P-TQFP-144-19	as SAF-XC167CI-32F40F, tape & reel
▼ SAF-XC167CI-32F40F BB-A-Step	SP000224702	PG-TQFP-144-19	
▼ SAK-XC167CI-32F40F BB-A-Step	SP000224707	PG-TQFP-144-19	as SAF-XC167CI-32F40F, -40°C to 125°C, tray
▼ SAK-XC167CI-32F40F BB-A-Step	SP000098778	P-TQFP-144-19	as SAK-XC167CI-32F40F, tape & reel
▼ SAK-XC167CI-32F40F BB-A-Step	SP000224706	PG-TQFP-144-19	

2

SMD = Surface Mounted Device

Microcontrollers

Type	Ordering Code	Package	Description
Microcontrollers, 8-bit			
▼ SAF-C505CA-LM CA-Step	SP000106636	P-MQFP-44-2	ROMless, 256-byte on-chip RAM, 1-Kbyte XRAM, oscillator watchdog, watchdog timer, full CAN-controller (V 2.0 B active), 10-bit ADC, three 16-bit timers/counters, 20-MHz clock frequency, tray
▼ SAF-C505CA-LM CA-Step	SP000106669	PG-MQFP-44-2	
▼ SAF-C505CA-LM CA-Step	SP000014488	P-MQFP-44-2	as SAF-C505CA-LM, tape & reel
▼ SAF-C505CA-LM CA-Step	SP000106390	PG-MQFP-44-2	
▼ SAB-C505CA-4EM CA-Step	SP000068757	P-MQFP-44-2	as SAF-C505CA-LM, 32-Kbyte OTP memory, 0°C to 70°C, tray
▼ SAB-C505CA-4EM CA-Step	SP000106391	PG-MQFP-44-2	
▼ SAB-C505CA-4EM CA-Step	SP000068755	P-MQFP-44-2	as SAB-C505CA-4EM, tape & reel
▼ SAB-C505CA-4EM CA-Step	SP000106392	PG-MQFP-44-2	
▼ SAF-C505CA-4EM CA-Step	SP000068758	P-MQFP-44-2	as SAB-C505CA-4 EM, -40°C to 85°C, tray
▼ SAF-C505CA-4EM CA-Step	SP000106394	PG-MQFP-44-2	
▼ SAF-C505CA-4EM CA-Step	SP000068759	P-MQFP-44-2	as SAF-C505CA-4EM, tape & reel
▼ SAF-C505CA-4EM CA-Step	SP000106395	PG-MQFP-44-2	
▼ SAK-C505CA-4EM CA-Step	SP000068754	P-MQFP-44-2	as SAF-C505CA-4EM, -40°C to 125°C, tray
▼ SAK-C505CA-4EM CA-Step	SP000106396	PG-MQFP-44-2	
▼ SAK-C505CA-4EM CA-Step	SP000067377	P-MQFP-44-2	as SAK-C505CA-4EM, tape & reel
▼ SAK-C505CA-4EM CA-Step	SP000107542	PG-MQFP-44-2	
▼ SAF-C505CA-4RM CA-Step	SP000065658	P-MQFP-44-2	as SAB-C505CA-4EM, with 32-Kbyte maskprogrammable ROM, tray
SAF-C505CA-4RM CA-Step	SP000084302	P-MQFP-44-2	as SAF-C505CA-4RM, tape & reel
▼ SAK-C505CA-4RM CA-Step	SP000084304	P-MQFP-44-2	as SAF-C505CA-4RM, -40°C to 125°C, tape & reel
▼ SAF-C515C-8EM CA-Step	SP000068750	P-MQFP-80-1	64-Kbyte OTP memory, 256 x 8-bit RAM, additional 2K x 8-bit on-chip RAM, three 16-bit timer/counters, power saving modes, 10-bit A/D converter, programmable watchdog timer, oscillator watchdog, 10-MHz CPU clock frequency, for external memory, full CAN-controller (V 2.0 B active); -40°C to 85°C, tray
▼ SAF-C515C-8EM CA-Step	SP000106398	PG-MQFP-80-1	
▼ SAF-C515C-8EM CA-Step	SP000067378	P-MQFP-80-1	as SAF-C515C-8EM, tape & reel
▼ SAF-C515C-8EM CA-Step	SP000106400	PG-MQFP-80-1	
SAF-C868-1SG BA-Step	SP000013636	P-DSO-28-1	8-Kbyte on-chip program SRAM, 256-byte RAM, 256-byte XRAM, three 16-bit timers/counters, PWM unit (CAPCOM6E), 8-bit ADC, oscillator watchdog, watchdog timer, 40-MHz clock frequency, -40°C to 85°C, tape & reel
SAK-C868-1SG BA-Step	SP000014356	P-DSO-28-1	as SAF-C868-1SG, -40°C to 125°C, tape & reel
▼ SAF-C868-1SR BA-Step	SP000013637	PG-TSSOP-38-1	as SAF-C868-1SG, P-TSSOP package, tape & reel
SAK-C868-1SR BA-Step	SP000014357	PG-TSSOP-38-1	as SAF-C868-1SR, -40°C to 125°C, tape & reel
SAF-C868P-1SR BA-Step	SP000013638	PG-TSSOP-38-1	as SAF-C868-1SR, with Code Protection, tape & reel
SAK-C868P-1SR BA-Step	SP000014358	PG-TSSOP-38-1	as SAF-C868P-1SR, -40°C to 125°C, tape & reel

2

SMD = Surface Mounted Device

Microcontrollers

Type	Ordering Code	Package	Description
Microcontrollers, 8-bit (cont'd)			
▼ SAF-XC866-2FRI (industry) BC-Step	SP000210683	PG-TSSOP-38-1	High performance XC800 core, based on industry standard 8051 architecture, 8-Kbyte boot ROM, 8-Kbyte flash (4-Kbyte program flash, 4-Kbyte data flash), automotive quality level, 256-byte RAM, 512-byte XRAM, capture compare unit, three 16-bit timers/counters, 10-bit ADC, port- and core voltage watchdog circuit with RESET generation, watchdog timer, -40°C to 85°C, tape & reel
SAF-XC866-4FRI (industry) BC-Step	SP000057470	PG-TSSOP-38-1	as SAF-XC866-2FRA, 16-Kbyte flash (12-Kbyte program flash, 4-Kbyte data flash), industry quality level, tape & reel
▼ SAK-XC866-4FRI (industry) BC-Step	SP000210680	PG-TSSOP-38-1	as SAF-XC866-4FRI, -40°C to 125°C, tape & reel
▼ SAF-XC886-6FFA (automotive)	SP000210975	PG-TQFP-48-4	High performance XC800 core, based on industry standard 8051 architecture, 24-Kbyte flash memory, automotive quality level, 256-byte RAM, 1536-byte XRAM, capture/compare unit (CCU6), 16-bit timers/counters, 10-bit ADC, port- and core voltage watchdog circuit with RESET generation, watchdog timer, on-chip debug support (JTAG), -40°C to 85°C, tape & reel
▼ SAK-XC886-6FFA (automotive)	SP000210978	PG-TQFP-48-4	as SAF-XC886-6FFA, -40°C to 125°C, tape & reel
▼ SAF-XC886-6FFI (industry)	SP000216467	PG-TQFP-48-4	as SAF-XC886-6FFA, industry quality level, tape & reel
▼ SAF-XC886-6FFI (industry) AB-Step	SP000217345	PG-TQFP-48-4	as SAF-XC886-6FFI, AB-step, tape & reel
▼ SAF-XC886-8FFA (automotive)	SP000210968	PG-TQFP-48-4	High performance XC800 core, based on industry standard 8051 architecture, 32-Kbyte flash memory, automotive quality level, 256-byte RAM, 1536-byte XRAM, capture/compare unit (CCU6), 16-bit timers/counters, 10-bit ADC, port- and core voltage watchdog circuit with RESET generation, watchdog timer, on-chip debug support (JTAG), -40°C to 85°C, tape & reel
▼ SAK-XC886-8FFA (automotive)	SP000210971	PG-TQFP-48-4	as SAF-XC886-8FFA, -40°C to 125°C, tape & reel
▼ SAF-XC886-8FFI (industry)	SP000216470	PG-TQFP-48-4	as SAF-XC886-8FFA, industry quality level, tape & reel
▼ SAF-XC886-8FFI (industry) AB-Step	SP000217349	PG-TQFP-48-4	as SAF-XC886-8FFI, AB-step, tape & reel

2

SMD = Surface Mounted Device

Microcontrollers

Type	Ordering Code	Package	Description
Microcontrollers, 8-bit (cont'd)			
▼ SAF-XC886C-8FFA (automotive)	SP000210961	PG-TQFP-48-4	High performance XC800 core, based on industry standard 8051 architecture, 32-Kbyte flash memory, automotive quality level, 256-byte RAM, 1536-byte XRAM, MultiCAN with 2 nodes, capture/compare unit (CCU6), 16-bit timers/counters, 10-bit ADC, port- and core voltage watchdog circuit with RESET generation, watchdog timer, on-chip debug support (JTAG), -40°C to 85°C, tape & reel
▼ SAK-XC886C-8FFA (automotive)	SP000106749	PG-TQFP-48-4	as SAF-XC886C-8FFA, -40°C to 125°C, tape & reel
▼ SAF-XC886C-8FFI (industry)	SP000216464	PG-TQFP-48-4	as SAF-XC886C-8FFA, industry quality level, tape & reel
▼ SAF-XC886C-8FFI (industry) AB-Step	SP000217340	PG-TQFP-48-4	as SAF-XC886C-8FFI, AB-step, tape & reel
▼ SAF-XC886CLM-8FFA (automotive)	SP000106748	PG-TQFP-48-4	as SAF-XC886C-8FFA, with LIN BSL support, MDU module, tape & reel
▼ SAK-XC886CLM-8FFA (automotive)	SP000210964	PG-TQFP-48-4	as SAF-XC886CLM-8FFA, -40°C to 125°C, tape & reel
▼ SAF-XC886CLM-8FFI (industry)	SP000216465	PG-TQFP-48-4	as SAF-XC886CLM-8FFA, industry quality level, tape & reel
▼ SAF-XC886CLM-8FFI (industry) AB-Step	SP000217341	PG-TQFP-48-4	as SAF-XC886CLM-8FFI, AB-step, tape & reel
▼ SAF-XC886CM-8FFA (automotive)	SP000210962	PG-TQFP-48-4	as SAF-XC886C-8FFA, with MDU, tape & reel
▼ SAK-XC886CM-8FFA (automotive)	SP000210965	PG-TQFP-48-4	as SAF-XC886CM-8FFA, -40°C to 125°C, tape & reel
▼ SAF-XC886CM-8FFI (industry)	SP000216466	PG-TQFP-48-4	as SAF-XC886CM-8FFA, industry quality level, tape & reel
▼ SAF-XC886CM-8FFI (industry) AB-Step	SP000217342	PG-TQFP-48-4	as SAF-XC886CM-8FFI, AB-step, tape & reel
▼ SAF-XC886LM-6FFA (automotive)	SP000210974	PG-TQFP-48-4	High performance XC800 core, based on industry standard 8051 architecture, 24-Kbyte flash memory, automotive quality level, 256-byte RAM, 1536-byte XRAM, capture/compare unit (CCU6), 16-bit timers/counters, 10-bit ADC, port- and core voltage watchdog circuit with RESET generation, watchdog timer, on-chip debug support (JTAG), with LIN BSL support, MDU module, -40°C to 85°C, tape & reel
▼ SAK-XC886LM-6FFA (automotive)	SP000210977	PG-TQFP-48-4	as SAF-XC886LM-6FFA, -40°C to 125°C, tape & reel
▼ SAF-XC886LM-6FFI (industry)	SP000216468	PG-TQFP-48-4	as SAF-XC886LM-6FFA, industry quality level, tape & reel
▼ SAF-XC886LM-6FFI (industry) AB-Step	SP000217347	PG-TQFP-48-4	as SAF-XC886LM-6FFI, AB-step, tape & reel
▼ SAF-XC886LM-8FFA (automotive)	SP000210967	PG-TQFP-48-4	as SAF-XC886LM-6FFA, 32-Kbyte flash memory, tape & reel
▼ SAK-XC886LM-8FFA (automotive)	SP000210970	PG-TQFP-48-4	as SAF-XC886LM-8FFA, -40°C to 125°C, tape & reel
▼ SAF-XC886LM-8FFI (industry)	SP000216471	PG-TQFP-48-4	as SAF-XC886LM-8FFA, industry quality level, tape & reel
▼ SAF-XC886LM-8FFI (industry) AB-Step	SP000217348	PG-TQFP-48-4	as SAF-XC886LM-8FFI, AB-step, tape & reel

2

SMD = Surface Mounted Device

Microcontrollers

Type	Ordering Code	Package	Description
Microcontrollers, 8-bit (cont'd)			
▼ SAF-XC888-6FFA (automotive)	SP000210989	PG-TQFP-64-8	High performance XC800 core, based on industry standard 8051 architecture, 24-Kbyte flash memory, automotive quality level, 256-byte RAM, 1536-byte XRAM, capture/compare unit (CCU6), 16-bit timers/counters, 10-bit ADC, port- and core voltage watchdog circuit with RESET generation, watchdog timer, on-chip debug support (JTAG), -40°C to 85°C, tape & reel
▼ SAK-XC888-6FFA (automotive)	SP000210995	PG-TQFP-64-8	as SAF-XC888-6FFA, -40°C to 125°C, tape & reel
▼ SAF-XC888-6FFI (industry)	SP000216477	PG-TQFP-64-8	as SAF-XC888-6FFA, industry quality level, tape & reel
▼ SAF-XC888-8FFA (automotive)	SP000210986	PG-TQFP-64-8	as SAF-XC888-6FFA, 32-Kbyte flash memory, tape & reel
▼ SAK-XC888-8FFA (automotive)	SP000210992	PG-TQFP-64-8	as SAF-XC888-8FFA, -40°C to 125°C, tape & reel
▼ SAF-XC888-8FFI (industry)	SP000216479	PG-TQFP-64-8	as SAF-XC888-8FFA, industry quality level, tape & reel
▼ SAF-XC888C-8FFA (automotive)	SP000210980	PG-TQFP-64-8	High performance XC800 core, based on industry standard 8051 architecture, 32-Kbyte flash memory, automotive quality level, 256-byte RAM, 1536-byte XRAM, MultiCAN with 2 nodes, capture/compare unit (CCU6), 16-bit timers/counters, 10-bit ADC, port- and core voltage watchdog circuit with RESET generation, watchdog timer, on-chip debug support (JTAG), -40°C to 85°C, tape & reel
▼ SAK-XC888C-8FFA (automotive)	SP000098771	PG-TQFP-64-8	as SAF-XC888C-8FFA, -40°C to 125°C, tape & reel
▼ SAF-XC888C-8FFI (industry)	SP000216474	PG-TQFP-64-8	as SAF-XC888C-8FFA, industry quality level, tape & reel
▼ SAF-XC888CLM-8FFA (automotive)	SP000210979	PG-TQFP-64-8	as SAF-XC888C-8FFA, with LIN BSL support, MDU module, tape & reel
▼ SAK-XC888CLM-8FFA (automotive)	SP000210982	PG-TQFP-64-8	as SAF-XC888CLM-8FFA, -40°C to 125°C, tape & reel
▼ SAF-XC888CLM-8FFI (industry)	SP000216475	PG-TQFP-64-8	as SAF-XC888CLM-8FFA, industry quality level, tape & reel
▼ SAF-XC888CM-8FFA (automotive)	SP000210981	PG-TQFP-64-8	as SAF-XC888C-8FFA, with MDU, tape & reel
▼ SAK-XC888CM-8FFA (automotive)	SP000210983	PG-TQFP-64-8	as SAF-XC888CM-8FFA, -40°C to 125°C, tape & reel
▼ SAF-XC888CM-8FFI (industry)	SP000216476	PG-TQFP-64-8	as SAF-XC888CM-8FFA, industry quality level, tape & reel
▼ SAF-XC888LM-6FFA (automotive)	SP000210988	PG-TQFP-64-8	High performance XC800 core, based on industry standard 8051 architecture, 24-Kbyte flash memory, automotive quality level, 256-byte RAM, 1536-byte XRAM, capture/compare unit (CCU6), 16-bit timers/counters, 10-bit ADC, port- and core voltage watchdog circuit with RESET generation, watchdog timer, on-chip debug support (JTAG), with LIN BSL support, MDU module, -40°C to 85°C, tape & reel
▼ SAK-XC888LM-6FFA (automotive)	SP000210994	PG-TQFP-64-8	as SAF-XC888LM-6FFA, -40°C to 125°C, tape & reel
▼ SAF-XC888LM-6FFI (industry)	SP000216478	PG-TQFP-64-8	as SAF-XC888LM-6FFA, industry quality level, tape & reel
▼ SAF-XC888LM-8FFA (automotive)	SP000210985	PG-TQFP-64-8	High performance XC800 core, based on industry standard 8051 architecture, 32-Kbyte flash memory, automotive quality level, 256-byte RAM, 1536-byte XRAM, capture/compare unit (CCU6), 16-bit timers/counters, 10-bit ADC, port- and core voltage watchdog circuit with RESET generation, watchdog timer, on-chip debug support (JTAG), with LIN BSL support, MDU module, -40°C to 85°C, tape & reel
▼ SAK-XC888LM-8FFA (automotive)	SP000210991	PG-TQFP-64-8	as SAF-XC888LM-8FFA, -40°C to 125°C, tape & reel
▼ SAF-XC888LM-8FFI (industry)	SP000216480	PG-TQFP-64-8	as SAF-XC888LM-8FFA, industry quality level, tape & reel

2

SMD = Surface Mounted Device

Power Semiconductors

3

Power Transistors Low Voltage MOSFETs	51
Power Transistors High Voltage MOSFETs	68
IGBT Power Transistors	74
Power Diodes	79
Smart Power Switches	81
Smart Power Bridges	88
Voltage Regulators	90
Transceivers	94
Specific Automotive ICs	95
DC/DC Control ICs	96
Smart Lighting Control ICs	96
Power Control ICs	97
Function and Industrial ICs	101

Power Semiconductors

Type	Ordering Code	Package	Data			
			V_{DS}	$R_{DS(on)}$	$V_{GS(th)}$	I_D
			V	Ω	V	A

Power Transistors

N-Channel Enhancement Types (SIPMOS®) Low Voltage MOSFETs 50 V

BSP 295	SP000011105	SOT223	50	0.3000	0.8 ... 2.0	1.80
▼ BSP 295 G	SP000089210	SOT223	50	0.3000	0.8 ... 2.0	1.80

N-Channel Enhancement Types (SIPMOS®) Low Voltage MOSFETs 55 V

▼ SPB 80N06S-08	SP000054056	P-TO263-3-2	55	0.0077	2.1 ... 4.0	80
▼ SPI 80N06S-08	SP000054055	P-TO262-3-1	55	0.0077	2.1 ... 4.0	80

N-Channel Enhancement Types (SIPMOS®) Low Voltage MOSFETs 60 V

BSO 615N	SP000011097	P-DSO-8-5	60	0.1500	1.2 ... 2.0	2.60
▼ BSO 615N G	SP000216316	PG-DSO-8-5	60	0.1500	1.2 ... 2.0	2.60
BSP 318S	SP000011112	SOT23	60	0.1500	1.2 ... 2.0	2.60
▼ BSP 318S G	SP000235371	SOT23	60	0.1500	1.2 ... 2.0	2.60
BSP 320S E-6327	SP000011115	SOT23	60	0.1200	2.1 ... 4.0	2.90
▼ BSP 320S E-6433	SP000011116	SOT23	60	0.1200	2.1 ... 4.0	2.90
BSP 320S G E-6327	SP000235375	SOT23	60	0.1200	2.1 ... 4.0	2.90
▼ BSP 320S G E-6433	SP000235376	SOT23	60	0.1200	2.1 ... 4.0	2.90
BSS 138N E-6327	SP000014560	SOT23	60	3.5000	0.6 ... 1.4	0.23
▼ BSS 138N G E-6327	SP000074207	SOT23	60	3.5000	0.6 ... 1.4	0.23
BSS 138N E-6433	SP000014561	SOT23	60	3.5000	0.6 ... 1.4	0.23
▼ BSS 138N E-6908	SP000014564	SOT23	60	3.5000	0.6 ... 1.4	0.23
▼ BSS 138N E-7854	SP000014562	SOT23	60	3.5000	0.6 ... 1.4	0.23
▼ BSS 138N E-8004	SP000014563	SOT23	60	3.5000	0.6 ... 1.4	0.23
BSS 138W E-6327	SP000014283	SOT323	60	3.5000	0.6 ... 1.4	0.28
▼ BSS 138W E-6433	SP000014284	SOT323	60	3.5000	0.6 ... 1.4	0.28
BSS 7728N	SP000014637	SOT23	60	5.0000	1.3 ... 2.3	0.20
SN 7002N E-6327	SP000014634	SOT23	60	5.0000	0.8 ... 1.8	0.20
SN 7002N E-6433	SP000014635	SOT23	60	5.0000	0.8 ... 1.8	0.20
▼ SN 7002N G E-6327	SP000074235	SOT23	60	5.0000	0.8 ... 1.8	0.20
▼ SN 7002N G E-6433	SP000076522	SOT23	60	5.0000	0.8 ... 1.8	0.20
SN 7002W E-6327	SP000014285	SOT323	60	5.0000	0.8 ... 1.8	0.23
▼ SN 7002W E-6433	SP000014286	SOT323	60	5.0000	0.8 ... 1.8	0.23

N-Channel Enhancement Types (SIPMOS®) Low Voltage MOSFETs 100 V

BSP 123	SP000011099	SOT223	100	6.000	0.8 ... 2.0	0.38
▼ BSP 123 G	SP000089202	SOT223	100	6.000	0.8 ... 2.0	0.38
BSP 296 G E-6327	SP000011106	SOT223	100	0.800	0.8 ... 2.0	1.00
▼ BSP 296 E-6433	SP000011107	SOT223	100	0.800	0.8 ... 2.0	1.00
▼ BSP 296 G E-6327	SP000089209	SOT223	100	0.800	0.8 ... 2.0	1.00
▼ BSP 296 G E-6433	SP000089212	SOT223	100	0.800	0.8 ... 2.0	1.00
BSP 372	SP000011120	SOT223	100	0.310	0.8 ... 2.0	1.70
▼ BSP 372 G	SP000087064	SOT223	100	0.310	0.8 ... 2.0	1.70

SMD = Surface Mounted Device



Power Semiconductors

Type	Ordering Code	Package	Data			
			V_{DS}	$R_{DS(on)}$	$V_{GS(th)}$	I_D
			V	Ω	V	A

Power Transistors

N-Channel Enhancement Types (SiPMOS®)

Low Voltage MOSFETs 100 V

(cont'd)

BSP 373	SP000011121	SOT223	100	0.300	2.1 ... 4.0	1.70
▼ BSP 373 G	SP000087065	SOT223	100	0.300	2.1 ... 4.0	1.70
BSS 119 E -6327	SP000011161	SOT23	100	6.000	1.6 ... 2.6	0.17
▼ BSS 119 E-6433	SP000011164	SOT23	100	6.000	1.6 ... 2.6	0.17
▼ BSS 119 E-7796	SP000011162	SOT23	100	6.000	1.6 ... 2.6	0.17
▼ BSS 119 E-7978	SP000011163	SOT23	100	6.000	1.6 ... 2.6	0.17
BSS 123 E-6327	SP000011165	SOT23	100	6.000	0.8 ... 2.0	0.17
▼ BSS 123 G E-6327	SP000084574	SOT23	100	6.000	0.8 ... 2.0	0.17
▼ BSS 123 E-6433	SP000011166	SOT23	100	6.000	0.8 ... 2.0	0.17
▼ BSS 123 E-7874	SP000011167	SOT23	100	6.000	0.8 ... 2.0	0.17
■ BUZ 344	SP000011354	P-TO218-3-1	100	0.035	2.1 ... 4.0	46
■ BUZ 345	SP000011355	P-TO218-3-1	100	0.045	2.1 ... 4.0	41
■ BUZ 349	SP000011356	P-TO218-3-1	100	0.060	2.1 ... 4.0	32
SPB 10N10	SP000013845	P-TO263-3-2	100	0.170	2.1 ... 4.0	10.3
▼ SPB 10N10 G	SP000102170	PG-TO263-3-2	100	0.170	2.1 ... 4.0	10.3
SPB 10N10L	SP000013836	P-TO263-3-2	100	0.154	1.2 ... 2.0	10.3
▼ SPB 10N10L G	SP000102169	PG-TO263-3-2	100	0.154	1.2 ... 2.0	10.3
SPB 21N10	SP000013626	P-TO263-3-2	100	0.080	2.1 ... 4.0	21
▼ SPB 21N10 G	SP000102171	PG-TO263-3-2	100	0.080	2.1 ... 4.0	21
SPB 35N10	SP000013627	P-TO263-3-2	100	0.044	2.1 ... 4.0	35
▼ SPB 35N10 G	SP000102172	PG-TO263-3-2	100	0.044	2.1 ... 4.0	35
SPB 47N10	SP000012327	P-TO263-3-2	100	0.033	2.1 ... 4.0	47
SPB 47N10L	SP000012078	P-TO263-3-2	100	0.026	1.2 ... 2.0	47
SPB 70N10L	SP000012079	P-TO263-3-2	100	0.016	1.2 ... 2.0	70
SPB 80N10L	SP000014350	P-TO263-3-2	100	0.014	1.2 ... 2.0	80
▼ SPB 80N10L G	SP000102173	PG-TO263-3-2	100	0.014	1.2 ... 2.0	80
SPD 11N10	SP000013847	P-TO252-3-1	100	0.179	2.1 ... 4.0	10.5
SPD 35N10	SP000013853	P-TO252-3-1	100	0.044	2.1 ... 4.0	35
SPI 10N10	SP000013846	P-TO262-3-1	100	0.170	2.1 ... 4.0	10.3
SPI 10N10L	SP000013850	P-TO262-3-1	100	0.154	1.2 ... 2.0	10.3
SPI 21N10	SP000013843	P-TO262-3-1	100	0.080	2.1 ... 4.0	21
SPI 35N10	SP000013852	P-TO262-3-1	100	0.044	2.1 ... 4.0	35
SPI 47N10	SP000013951	P-TO262-3-1	100	0.033	2.1 ... 4.0	47
▼ SPI 47N10L	SP000013952	P-TO262-3-1	100	0.026	1.2 ... 2.0	47
▼ SPI 70N10L	SP000014005	P-TO262-3-1	100	0.016	1.2 ... 2.0	70
SPI 80N10L	SP000014351	P-TO262-3-1	100	0.014	1.2 ... 2.0	80
SPP 10N10	SP000013844	P-TO220-3-1	100	0.170	2.1 ... 4.0	10.3
SPP 10N10L	SP000013849	P-TO220-3-1	100	0.154	1.2 ... 2.0	10.3
SPP 21N10	SP000013842	P-TO220-3-1	100	0.080	2.1 ... 4.0	21
SPP 35N10	SP000013851	P-TO220-3-1	100	0.044	2.1 ... 4.0	35
SPP 47N10	SP000012415	P-TO220-3-1	100	0.033	2.1 ... 4.0	47
SPP 47N10L	SP000012102	P-TO220-3-1	100	0.026	1.2 ... 2.0	47
SPP 70N10L	SP000012103	P-TO220-3-1	100	0.016	1.2 ... 2.0	70
SPP 80N10L	SP000014349	P-TO220-3-1	100	0.014	1.2 ... 2.0	80
▼ SPU 11N10	SP000013848	P-TO220-3-1	100	0.179	2.1 ... 4.0	10.5

3

SMD = Surface Mounted Device

Power Semiconductors

Type	Ordering Code	Package	Data			
			V_{DS}	$R_{DS(on)}$	$V_{GS(th)}$	I_D
			V	Ω	V	A

Power Transistors

N-Channel Enhancement Types (SIPMOS®) (for industrial applications) Low Voltage MOSFETs 100 V

▼ IPB 70N10SL-16	SP000225700	PG-TO263-3-2	100	0.016	1.2 ... 2.0	70
▼ IPP 70N10SL-16	SP000225708	PG-TO220-3-1	100	0.016	1.2 ... 2.0	70

N-Channel Enhancement Types (SIPMOS®) Low Voltage MOSFETs 100 V

BSP 297	SP000011108	SOT223	200	2.00	0.8 ... 2.0	0.65
▼ BSP 297 G	SP000089213	SOT223	200	2.00	0.8 ... 2.0	0.65
BUZ 30A	SP000011336	P-TO220-3-1	200	0.13	2.4 ... 4.0	21
▼ BUZ 30A E-3045A	SP000011337	P-TO263-3-1	200	0.13	2.4 ... 4.0	21
▼ BUZ 30A E-3045A	SP000102176	PG-TO263-3-1	200	0.13	2.4 ... 4.0	21
BUZ 31	SP000011341	P-TO220-3-1	200	0.20	2.4 ... 4.0	13.5
▼ BUZ 31 E-3045A	SP000011343	P-TO263-3-2	200	0.20	2.4 ... 4.0	13.5
▼ BUZ 31 E-3045A	SP000102175	PG-TO263-3-2	200	0.20	2.4 ... 4.0	13.5
▼ BUZ 31 E-3046	SP000011344	PG-TO263-3-2	200	0.20	2.4 ... 4.0	13.5
BUZ 31L	SP000011342	P-TO220-3-1	200	0.20	1.2 ... 2.0	13.5
▼ BUZ 31L E-3045A	SP000011961	P-TO263-3-2	200	0.20	1.2 ... 2.0	13.5
BUZ 32	SP000011345	P-TO220-3-1	200	0.40	2.4 ... 4.0	9.50
▼ BUZ 32 E-3045A	SP000011346	P-TO263-3-2	200	0.40	2.4 ... 4.0	9.50
▼ BUZ 32 E-3045A	SP000102174	PG-TO263-3-2	200	0.40	2.4 ... 4.0	9.50
BUZ 73	SP000011372	P-TO220-3-1	200	0.40	2.4 ... 4.0	7.00
▼ BUZ 73 E-3046	SP000011963	P-TO220-3-1	200	0.40	2.4 ... 4.0	7.00
BUZ 73A	SP000011373	P-TO220-3-1	200	0.60	2.4 ... 4.0	5.80
▼ BUZ 73A E-3046	SP000011962	P-TO220-3-1	200	0.60	2.4 ... 4.0	5.80
BUZ 73AL	SP000011375	P-TO220-3-1	200	0.60	1.2 ... 2.0	5.80
BUZ 73L	SP000011374	P-TO220-3-1	200	0.40	1.2 ... 2.0	7.00
■ BUZ 341	SP000011353	P-TO218-3-1	200	0.07	2.1 ... 4.0	33
■ BUZ 350	SP000011357	P-TO218-3-1	200	0.12	2.1 ... 4.0	22
SPD 07N20	SP000012080	P-TO252-3-1	200	0.40	2.1 ... 4.0	7.00
▼ SPD 07N20	SP000077394	PG-TO252-3-1	200	0.40	2.1 ... 4.0	7.00

3

N-Channel Enhancement Types (SIPMOS®) Low Voltage MOSFETs 240 V

BSP 88	SP000011159	SOT223	240	8.00	0.6 ... 1.20	0.32
▼ BSP 88 G	SP000089217	SOT223	240	8.00	0.6 ... 1.20	0.32
BSP 89	SP000011160	SOT223	240	6.00	0.8 ... 2.00	0.36
▼ BSP 89 G	SP000089216	SOT223	240	6.00	0.8 ... 2.00	0.36
BSS 87 E-6327	SP000011182	SOT89	240	6.00	0.8 ... 2.0	0.29
▼ BSS 87 G E-6327	SP000095794	SOT89	240	6.00	0.8 ... 2.0	0.29
▼ BSS 87 E-6433	SP000082233	SOT89	240	6.00	0.8 ... 2.0	0.29
BSS 131 E-6327	SP000011168	SOT23	240	16.00	0.8 ... 2.0	0.10

SMD = Surface Mounted Device

Power Semiconductors

Type	Ordering Code	Package	Data			
			V_{DS}	$R_{DS(on)}$	$V_{GS(th)}$	I_D
			V	Ω	V	A

Power Transistors

N-Channel Enhancement Types (OptiMOS®) Low Voltage MOSFETs 30 V

BSO 4410	SP000013453	P-DSO-8-1	30	0.0130	1.2 ... 2.0	11
▼ BSO 4410 G	SP000077498	PG-DSO-8-1	30	0.0130	1.2 ... 2.0	11
BSO 4420	SP000013336	P-DSO-8-1	30	0.0078	1.2 ... 2.0	13
▼ BSO 4420 G	SP000077585	PG-DSO-8-1	30	0.0078	1.2 ... 2.0	13
BSO 4804	SP000013606	P-DSO-8-1	30	0.0200	1.2 ... 2.0	13.5
▼ BSO 4804 G	SP000077616	PG-DSO-8-1	30	0.0200	1.2 ... 2.0	13.5
▼ BSO 4822	SP000080997	PG-DSO-8-1	30	0.0100	1.2 ... 2.0	21
▼ SPB 42N03S2L-13 G	SP000200137	PG-TO263-3-2	30	0.0120	1.2 ... 2.0	42
SPB 73N03S2L-08	SP000016257	P-TO263-3-2	30	0.0080	1.2 ... 2.0	73
▼ SPB 73N03S2L-08 G	SP000200138	PG-TO263-3-2	30	0.0080	1.2 ... 2.0	73
SPB 80N03S2-03	SP000016251	P-TO263-3-2	30	0.0034	1.2 ... 2.0	80
▼ SPB 80N03S2-03 G	SP000200139	PG-TO263-3-2	30	0.0034	1.2 ... 2.0	80
SPB 80N03S2L-03	SP000016252	P-TO263-3-2	30	0.0031	1.2 ... 2.0	80
▼ SPB 80N03S2L-03 G	SP000200142	PG-TO263-3-2	30	0.0031	1.2 ... 2.0	80
SPB 80N03S2L-04	SP000013901	P-TO263-3-2	30	0.0043	1.2 ... 2.0	80
▼ SPB 80N03S2L-04 G	SP000200143	PG-TO263-3-2	30	0.0043	1.2 ... 2.0	80
▼ SPB 80N03S2L-05 G	SP000200144	PG-TO263-3-2	30	0.0052	1.2 ... 2.0	80
SPB 80N03S2L-06	SP000016264	P-TO263-3-2	30	0.0059	1.2 ... 2.0	80
▼ SPB 80N03S2L-06 G	SP000200145	PG-TO263-3-2	30	0.0059	1.2 ... 2.0	80
SPB 100N03S2-03	SP000016260	P-TO263-3-2	30	0.0033	2.1 ... 4.0	100
▼ SPB 100N03S2-03 G	SP000200140	PG-TO263-3-2	30	0.0033	2.1 ... 4.0	100
SPB 100N03S2L-03	SP000013460	P-TO263-3-2	30	0.0030	1.2 ... 2.0	100
▼ SPB 100N03S2L-03 G	SP000200141	PG-TO263-3-2	30	0.0030	1.2 ... 2.0	100
SPD 30N03S2L-07	SP000013749	P-TO252-3-11	30	0.0067	1.2 ... 2.0	30
▼ SPD 30N03S2L-07 G	SP000077583	PG-TO252-3-11	30	0.0067	1.2 ... 2.0	30
SPD 30N03S2L-10	SP000016254	P-TO252-3-11	30	0.0100	1.2 ... 2.0	30
▼ SPD 30N03S2L-10 G	SP000077499	PG-TO252-3-11	30	0.0100	1.2 ... 2.0	30
SPD 30N03S2L-20	SP000013488	P-TO252-3-11	30	0.0200	1.2 ... 2.0	30
SPD 50N03S2-07	SP000016253	P-TO252-3-11	30	0.0073	2.1 ... 4.0	50
▼ SPD 50N03S2-07 G	SP000077579	PG-TO252-3-11	30	0.0073	2.1 ... 4.0	50
▼ SPD 50N03S2L-06 G	SP000077584	PG-TO252-3-11	30	0.0064	1.2 ... 2.0	50
SPI 42N03S2L-13	SP000013897	P-TO262-3-1	30	0.0129	1.2 ... 2.0	42
SPI 73N03S2L-08	SP000016263	P-TO262-3-1	30	0.0084	1.2 ... 2.0	73
SPI 80N03S2-03	SP000016262	P-TO262-3-1	30	0.0033	2.1 ... 4.0	100
SPI 80N03S2L-03	SP000016261	P-TO262-3-1	30	0.0031	1.2 ... 2.0	80
SPI 80N03S2L-04	SP000013903	P-TO262-3-1	30	0.0043	1.2 ... 2.0	80
SPI 80N03S2L-05	SP000016266	P-TO262-3-1	30	0.0052	1.2 ... 2.0	80
SPI 80N03S2L-06	SP000016265	P-TO262-3-1	30	0.0062	1.2 ... 2.0	80
SPI 100N03S2-03	SP000013492	P-TO262-3-1	30	0.0033	2.1 ... 4.0	100
SPI 100N03S2L-03	SP000013491	P-TO262-3-1	30	0.0030	1.2 ... 2.0	100
SPP 42N03S2L-13	SP000013464	P-TO220-3-1	30	0.0120	1.2 ... 2.0	42
SPP 73N03S2L-08	SP000013465	P-TO220-3-1	30	0.0080	1.2 ... 2.0	73

3

SMD = Surface Mounted Device

Power Semiconductors

Type	Ordering Code	Package	Data			
			V_{DS}	$R_{DS(on)}$	$V_{GS(th)}$	I_D
			V	Ω	V	A

Power Transistors

N-Channel Enhancement Types (OptiMOS®)

Low Voltage MOSFETs 30 V

(cont'd)

SPP 80N03S2-03	SP000012468	P-TO220-3-1	30	0.0034	2.1 ... 4.0	80
SPP 80N03S2L-03	SP000012469	P-TO220-3-1	30	0.0031	1.2 ... 2.0	80
SPP 80N03S2L-04	SP000013902	P-TO220-3-1	30	0.0043	1.2 ... 2.0	80
SPP 80N03S2L-05	SP000013466	P-TO220-3-1	30	0.0050	1.2 ... 2.0	80
SPP 80N03S2L-06	SP000014061	P-TO220-3-1	30	0.0062	1.2 ... 2.0	80
SPP 100N03S2-03	SP000013463	P-TO220-3-1	30	0.0033	2.1 ... 4.0	100
SPP 100N03S2L-03	SP000013462	P-TO220-3-1	30	0.0030	1.2 ... 2.0	100
SPU 30N03S2-08	SP000014129	P-TO251-3-1	30	0.0082	2.1 ... 4.0	30
SPU 30N03S2L-10	SP000013467	P-TO251-3-1	30	0.0100	1.2 ... 2.0	30

3

N-Channel Enhancement Types (OptiMOS®)

Low Voltage MOSFETs 40 V

SPB 80N04S2-04	SP000016353	P-TO263-3-2	40	0.0039	2.1 ... 4.0	80
SPB 80N04S2-H4	SP000016358	P-TO263-3-2	40	0.0040	2.1 ... 4.0	80
SPB 80N04S2L-03	SP000016354	P-TO263-3-2	40	0.0036	1.2 ... 2.0	80
SPB 100N04S2-04	SP000013711	P-TO263-3-2	40	0.0036	2.1 ... 4.0	100
SPB 100N04S2L-03	SP000013712	P-TO263-3-2	40	0.0033	1.2 ... 2.0	100
SPB 160N04S2-03	SP000014263	P-TO263-7-3	40	0.0029	2.1 ... 4.0	160
SPB 160N04S2L-03	SP000014639	P-TO263-3-2	40	0.0027	1.2 ... 2.0	160
SPI 80N04S2-04	SP000015085	P-TO262-3-1	40	0.0034	2.1 ... 4.0	80
SPP 80N04S2-04	SP000012470	P-TO220-3-1	40	0.0039	2.1 ... 4.0	80
SPP 80N04S2-H4	SP000013150	P-TO220-3-1	40	0.0040	2.1 ... 4.0	80
SPP 80N04S2L-03	SP000012472	P-TO220-3-1	40	0.0036	1.2 ... 2.0	80
SPP 100N04S2-04	SP000013718	P-TO220-3-1	40	0.0036	2.1 ... 4.0	100
SPP 100N04S2L-03	SP000013719	P-TO220-3-1	40	0.0033	1.2 ... 2.0	100

N-Channel Enhancement Types (OptiMOS®) (for industrial applications)

Low Voltage MOSFETs 40 V

▼ IPB 80N04S2-H4	SP000218165	PG-TO263-3-2	40	0.0040	2.1 ... 4.0	80
▼ IPB 80N04S2L-03	SP000220158	PG-TO263-3-2	40	0.0036	1.2 ... 2.0	80
▼ IPB 100N04S2-04	SP000219061	PG-TO263-3-2	40	0.0036	2.1 ... 4.0	100
▼ IPB 100N04S2L-03	SP000219065	PG-TO263-3-2	40	0.0033	1.2 ... 2.0	100
▼ IPB 160N04S2-03	SP000218151	PG-TO263-7-3	40	0.0029	2.1 ... 4.0	160
▼ IPB 160N04S2L-03	SP000218153	PG-TO263-7-3	40	0.0027	1.2 ... 2.0	160
▼ IPI 80N04S2-04	SP000219058	PG-TO262-3-1	40	0.0034	2.1 ... 4.0	80
▼ IPP 80N04S2-04	SP000219054	PG-TO220-3-1	40	0.0039	2.1 ... 4.0	80
▼ IPP 80N04S2-H4	SP000218169	PG-TO220-3-1	40	0.0040	2.1 ... 4.0	80
▼ IPP 80N04S2L-03	SP000219063	PG-TO220-3-1	40	0.0036	1.2 ... 2.0	80
▼ IPP 100N04S2-04	SP000219056	PG-TO220-3-1	40	0.0036	2.1 ... 4.0	100
▼ IPP 100N04S2L-03	SP000219062	PG-TO220-3-1	40	0.0033	1.2 ... 2.0	100

SMD = Surface Mounted Device

Power Semiconductors

Type	Ordering Code	Package	Data			
			V_{DS}	$R_{DS(on)}$	$V_{GS(th)}$	I_D
			V	Ω	V	A

Power Transistors

N-Channel Enhancement Types (OptiMOS®) Low Voltage MOSFETs 55 V

BSO 604NS2	SP000013128	P-DSO-8-5	55	0.0350	1.2 ... 2.0	5.00
BSP 603S2L	SP000013597	SOT223	55	0.0330	1.2 ... 2.0	5.20
BSP 615S2L	SP000013181	SOT223	55	0.0900	1.2 ... 2.0	2.80
BSS 670S2L	SP000013197	SOT23	55	0.6500	1.2 ... 2.0	0.54
SPB 77N06S2-12	SP000013587	P-TO263-3-2	55	0.0120	2.1 ... 4.0	77
SPB 80N06S2-05	SP000016351	P-TO263-3-2	55	0.0051	2.1 ... 4.0	80
SPB 80N06S2-07	SP000013578	P-TO263-3-2	55	0.0066	2.1 ... 4.0	80
SPB 80N06S2-08	SP000016356	P-TO263-3-2	55	0.0080	2.1 ... 4.0	80
SPB 80N06S2-09	SP000013581	P-TO263-3-2	55	0.0091	2.1 ... 4.0	80
SPB 80N06S2-H5	SP000013795	P-TO263-3-2	55	0.0055	2.1 ... 4.0	80
SPB 80N06S2L-05	SP000016352	P-TO263-3-2	55	0.0048	1.2 ... 2.0	80
SPB 80N06S2L-06	SP000013577	P-TO263-3-2	55	0.0063	1.2 ... 2.0	80
SPB 80N06S2L-07	SP000016357	P-TO263-3-2	55	0.0070	1.2 ... 2.0	80
SPB 80N06S2L-09	SP000013582	P-TO263-3-2	55	0.0085	1.2 ... 2.0	80
SPB 80N06S2L-11	SP000013586	P-TO263-3-2	55	0.0110	1.2 ... 2.0	80
SPB 80N06S2L-H5	SP000013796	P-TO263-3-2	55	0.0050	1.2 ... 2.0	80
SPB 100N06S2-05	SP000013713	P-TO263-3-2	55	0.0050	2.1 ... 4.0	100
SPB 100N06S2L-05	SP000013714	P-TO263-3-2	55	0.0047	1.2 ... 2.0	100
SPD 14N06S2-80	SP000013575	P-TO252-3-1	55	0.0800	2.1 ... 4.0	14
SPD 15N06S2L-64	SP000013573	P-TO252-3-1	55	0.0640	1.2 ... 2.0	15
SPD 25N06S2-40	SP000013572	P-TO252-3-1	55	0.0400	2.1 ... 4.0	25
SPD 26N06S2L-35	SP000013570	P-TO252-3-1	55	0.0350	1.2 ... 2.0	26
SPD 30N06S2-15	SP000012477	P-TO252-3-1	55	0.0147	2.1 ... 4.0	30
SPD 30N06S2-23	SP000013596	P-TO252-3-1	55	0.0230	2.1 ... 4.0	30
SPD 30N06S2L-13	SP000012478	P-TO252-3-1	55	0.0130	1.2 ... 2.0	30
SPD 30N06S2L-23	SP000013127	P-TO252-3-1	55	0.0230	1.2 ... 2.0	30
SPD 50N06S2-14	SP000013569	P-TO252-3-1	55	0.0144	2.1 ... 4.0	50
SPD 50N06S2L-13	SP000013568	P-TO252-3-1	55	0.0127	1.2 ... 2.0	50
SPI 80N06S2-07	SP000013784	P-TO262-3-1	55	0.0066	2.1 ... 4.0	80
SPI 80N06S2-08	SP000013911	P-TO262-3-1	55	0.0080	2.1 ... 4.0	80
SPI 80N06S2L-05	SP000016360	P-TO262-3-1	55	0.0045	1.2 ... 2.0	80
▼ SPI 80N06S2L-11	SP000029960	P-TO262-3-1	55	0.0110	1.2 ... 2.0	80
SPP 77N06S2-12	SP000013588	P-TO220-3-1	55	0.0120	2.1 ... 4.0	77
▼ SPP 80N06S-08	SP000054054	P-TO220-3-1	55	0.0077	2.1 ... 4.0	80
SPP 80N06S2-05	SP000012473	P-TO220-3-1	55	0.0051	2.1 ... 4.0	80
SPP 80N06S2-07	SP000013579	P-TO220-3-1	55	0.0120	2.1 ... 4.0	80
SPP 80N06S2-08	SP000012822	P-TO220-3-1	55	0.0080	2.1 ... 4.0	80
SPP 80N06S2-09	SP000013583	P-TO220-3-1	55	0.0091	2.1 ... 4.0	80
SPP 80N06S2-H5	SP000014000	P-TO220-3-1	55	0.0055	2.1 ... 4.0	80
SPP 80N06S2L-05	SP000012474	P-TO220-3-1	55	0.0048	1.2 ... 2.0	80
SPP 80N06S2L-06	SP000013576	P-TO220-3-1	55	0.0063	1.2 ... 2.0	80
SPP 80N06S2L-07	SP000012823	P-TO220-3-1	55	0.0070	1.2 ... 2.0	80
SPP 80N06S2L-09	SP000013580	P-TO220-3-1	55	0.0085	1.2 ... 2.0	80
SPP 80N06S2L-11	SP000013584	P-TO220-3-1	55	0.0110	1.2 ... 2.0	80
SPP 80N06S2L-H5	SP000014001	P-TO220-3-1	55	0.0050	1.2 ... 2.0	80
SPP 100N06S2-05	SP000013720	P-TO220-3-1	55	0.0050	2.1 ... 4.0	100
SPP 100N06S2L-05	SP000013721	P-TO220-3-1	55	0.0047	1.2 ... 2.0	100

3

SMD = Surface Mounted Device

Power Semiconductors

Type	Ordering Code	Package	Data			
			V_{DS}	$R_{DS(on)}$	$V_{GS(th)}$	I_D
			V	Ω	V	A

Power Transistors

N-Channel Enhancement Types (OptiMOS®) (for industrial applications)

Low Voltage MOSFETs 55V

▼ IPB 77N06S2-12	SP000218173	PG-TO263-3-2	55	0.0120	2.1 ... 4.0	77
▼ IPB 80N06S2-05	SP000218877	PG-TO263-3-2	55	0.0051	2.1 ... 4.0	80
▼ IPB 80N06S2-07	SP000218818	PG-TO263-3-2	55	0.0066	2.1 ... 4.0	80
▼ IPB 80N06S2-08	SP000218830	PG-TO263-3-2	55	0.0080	2.1 ... 4.0	80
▼ IPB 80N06S2-09	SP000218741	PG-TO263-3-2	55	0.0091	2.1 ... 4.0	80
▼ IPB 80N06S2-H5	SP000218162	PG-TO263-3-2	55	0.0055	2.1 ... 4.0	80
▼ IPB 80N06S2L-05	SP000219004	PG-TO263-3-2	55	0.0048	1.2 ... 2.0	80
▼ IPB 80N06S2L-06	SP000218163	PG-TO263-3-2	55	0.0063	1.2 ... 2.0	80
▼ IPB 80N06S2L-07	SP000218867	PG-TO263-3-2	55	0.0070	1.2 ... 2.0	80
▼ IPB 80N06S2L-09	SP000218743	PG-TO263-3-2	55	0.0085	1.2 ... 2.0	80
▼ IPB 80N06S2L-11	SP000218177	PG-TO263-3-2	55	0.0110	1.2 ... 2.0	80
▼ IPB 80N06S2L-H5	SP000219068	PG-TO263-3-2	55	0.0050	1.2 ... 2.0	80
▼ IPB 100N06S2-05	SP000218874	PG-TO263-3-2	55	0.0050	2.1 ... 4.0	100
▼ IPB 100N06S2L-05	SP000219003	PG-TO263-3-2	55	0.0047	1.2 ... 2.0	100
▼ IPI 80N06S2-07	SP000218817	PG-TO262-3-1	55	0.0066	2.1 ... 4.0	80
▼ IPI 80N06S2-08	SP000218828	PG-TO262-3-1	55	0.0080	2.1 ... 4.0	80
▼ IPI 80N06S2L-05	SP000219002	PG-TO262-3-1	55	0.0045	1.2 ... 2.0	80
▼ IPI 80N06S2L-11	SP000218176	PG-TO262-3-1	55	0.0110	1.2 ... 2.0	80
▼ IPP 77N06S2-12	SP000218172	PG-TO220-3-1	55	0.0120	2.1 ... 4.0	77
▼ IPP 80N06S2-05	SP000218873	PG-TO220-3-1	55	0.0051	2.1 ... 4.0	80
▼ IPP 80N06S2-07	SP000218810	PG-TO220-3-1	55	0.0120	2.1 ... 4.0	80
▼ IPP 80N06S2-08	SP000218826	PG-TO220-3-1	55	0.0080	2.1 ... 4.0	80
▼ IPP 80N06S2-09	SP000218740	PG-TO220-3-1	55	0.0091	2.1 ... 4.0	80
▼ IPP 80N06S2-H5	SP000218155	PG-TO220-3-1	55	0.0055	2.1 ... 4.0	80
▼ IPP 80N06S2L-05	SP000219000	PG-TO220-3-1	55	0.0048	1.2 ... 2.0	80
▼ IPP 80N06S2L-06	SP000218824	PG-TO220-3-1	55	0.0063	1.2 ... 2.0	80
▼ IPP 80N06S2L-07	SP000218831	PG-TO220-3-1	55	0.0070	1.2 ... 2.0	80
▼ IPP 80N06S2L-09	SP000218742	PG-TO220-3-1	55	0.0085	1.2 ... 2.0	80
▼ IPP 80N06S2L-11	SP000218175	PG-TO220-3-1	55	0.0110	1.2 ... 2.0	80
▼ IPP 80N06S2L-H5	SP000219067	PG-TO220-3-1	55	0.0050	1.2 ... 2.0	80
▼ IPP 100N06S2-05	SP000218872	PG-TO220-3-1	55	0.0050	2.1 ... 4.0	100
▼ IPP 100N06S2L-05	SP000218879	PG-TO220-3-1	55	0.0047	1.2 ... 2.0	100

N-Channel Enhancement Types (OptiMOS®)

Low Voltage MOSFETs 60 V (logic level)

▼ IPB 048N06L G	SP000204181	PG-TO263-3-2	60	0.0044	1.2 ... 2.0	100
▼ IPB 065N06L G	SP000204183	PG-TO263-3-2	60	0.0065	1.2 ... 2.0	80
▼ IPB 070N06L G	SP000204172	PG-TO263-3-2	60	0.0067	1.2 ... 2.0	80
▼ IPB 085N06L G	SP000204190	PG-TO263-3-2	60	0.0085	1.2 ... 2.0	80
▼ IPB 110N06L G	SP000204193	PG-TO263-3-2	60	0.0110	1.2 ... 2.0	78
▼ IPD 127N06L G	SP000204177	P-TO252-3-11	60	0.0127	1.2 ... 2.0	50
▼ IPD 640N06L G	SP000203939	P-TO252-3-11	60	0.0640	1.2 ... 2.0	18
▼ IPP 048N06L G	SP000204180	PG-TO220-3-1	60	0.0044	1.2 ... 2.0	100
▼ IPP 065N06L G	SP000204182	PG-TO220-3-1	60	0.0065	1.2 ... 2.0	80
▼ IPP 070N06L G	SP000204171	PG-TO220-3-1	60	0.0067	1.2 ... 2.0	80
▼ IPP 085N06L G	SP000204188	PG-TO220-3-1	60	0.0085	1.2 ... 2.0	80
▼ IPP 110N06L G	SP000204194	PG-TO220-3-1	60	0.0110	1.2 ... 2.0	78

SMD = Surface Mounted Device



Power Semiconductors

Type	Ordering Code	Package	Data			
			V_{DS}	$R_{DS(on)}$	$V_{GS(th)}$	I_D
			V	Ω	V	A

Power Transistors

N-Channel Enhancement Types (OptiMOS®)

Low Voltage MOSFETs 60 V (normal level)

▼ IPB 070N06N G	SP000204187	PG-TO263-3-2	60	0.0067	1.2 ... 2.0	80
▼ IPB 080N06N G	SP000204174	PG-TO263-3-2	60	0.0077	1.2 ... 2.0	80
▼ IPB120N06N G	SP000204176	PG-TO263-3-2	60	0.0117	1.2 ... 2.0	75
▼ IPD 144N06N G	SP000203941	P-TO252-3-11	60	0.0144	2.1 ... 4.0	50
▼ IPD 400N06N G	SP000203938	P-TO252-3-11	60	0.0400	2.1 ... 4.0	27
▼ IPD 800N06N G	SP000204179	P-TO252-3-11	60	0.0800	2.1 ... 4.0	16
▼ IPI 070N06N G	SP000208612	P-TO262-3-1	60	0.0067	1.2 ... 2.0	80
▼ IPP 080N06N G	SP000204173	PG-TO220-3-1	60	0.0077	2.1 ... 4.0	80
▼ IPP 070N06N G	SP000204186	PG-TO220-3-1	60	0.0067	1.2 ... 2.0	80
▼ IPP120N06N G	SP000204175	PG-TO220-3-1	60	0.0117	1.2 ... 2.0	75

3

N-Channel Enhancement Types (OptiMOS®)

Low Voltage MOSFETs 75 V

SPB 80N08S2-07	SP000016355	P-TO263-3-2	75	0.0071	2.1 ... 4.0	80
SPB 80N08S2L-07	SP000016359	P-TO263-3-2	75	0.0068	1.2 ... 2.0	80
SPB 100N08S2-07	SP000013715	P-TO263-3-2	75	0.0068	2.1 ... 4.0	100
SPB 100N08S2L-07	SP000013716	P-TO263-3-2	75	0.0065	1.2 ... 2.0	100
SPD 220N08S2L-50	SP000013910	P-TO252-3-11	75	0.0500	1.2 ... 2.0	25
SPD 30N08S2-22	SP000013153	P-TO252-3-11	75	0.0215	2.1 ... 4.0	30
SPD 30N08S2L-21	SP000013152	P-TO252-3-11	75	0.0205	1.2 ... 2.0	30
▼ SPI 80N08S2-07	SP000013954	P-TO262-3-1	75	0.0071	2.1 ... 4.0	80
SPI 80N08S2-07R	SP000013717	P-TO262-3-1	75	0.0073	2.1 ... 4.0	80
▼ SPI 100N08S2-07	SP000055687	P-TO262-3-1	75	0.0068	2.1 ... 4.0	100
SPP 80N08S2-07	SP000012475	P-TO220-3-1	75	0.0071	2.1 ... 4.0	80
SPP 80N08S2L-07	SP000012476	P-TO220-3-1	75	0.0068	1.2 ... 2.0	80
SPP 100N08S2-07	SP000013722	P-TO220-3-1	75	0.0068	2.1 ... 4.0	100
SPP 100N08S2L-07	SP000013723	P-TO220-3-1	75	0.0065	1.2 ... 2.0	100

N-Channel Enhancement Types (OptiMOS®) (for industrial applications)

Low Voltage MOSFETs 75 V

▼ IPB 100N08S2-07	SP000219044	PG-TO263-3-2	75	0.0068	2.1 ... 4.0	100
▼ IPB 100N08S2L-07	SP000219053	PG-TO263-3-2	75	0.0065	1.2 ... 2.0	100
▼ IPB 80N08S2-07	SP000219048	PG-TO263-3-2	75	0.0071	2.1 ... 4.0	80
▼ IPB 80N08S2L-07	SP000219051	PG-TO263-3-2	75	0.0068	1.2 ... 2.0	80
▼ IPI 80N08S2-07	SP000219043	PG-TO262-3-1	75	0.0071	2.1 ... 4.0	80
▼ IPI 100N08S2-07	SP000219041	PG-TO262-3-1	75	0.0068	2.1 ... 4.0	100
▼ IPP 80N08S2-07	SP000219040	PG-TO220-3-1	75	0.0071	2.1 ... 4.0	80
▼ IPP 80N08S2L-07	SP000219050	PG-TO220-3-1	75	0.0068	1.2 ... 2.0	80
▼ IPP 100N08S2-07	SP000219005	PG-TO220-3-1	75	0.0068	2.1 ... 4.0	100
▼ IPP 100N08S2L-07	SP000219052	PG-TO220-3-1	75	0.0065	1.2 ... 2.0	100

SMD = Surface Mounted Device

Power Semiconductors

Type	Ordering Code	Package	Data			
			V_{DS}	$R_{DS(on)}$	$V_{GS(th)}$	I_D
			V	Ω	V	A

Power Transistors

N-Channel Enhancement Types (OptiMOS®2)

Low Voltage MOSFETs 25 V

▼ BSC 020N025S G	SP000095463	PG-TDSON-8	25	0.0020	1.2 ... 2.0	100
▼ BSC 024N025S G	SP000095464	PG-TDSON-8	25	0.0024	1.2 ... 2.0	100
▼ BSC 029N025S G	SP000095465	PG-TDSON-8	25	0.0029	1.2 ... 2.0	100
▼ BSC 037N025S G	SP000095466	PG-TDSON-8	25	0.0037	1.2 ... 2.0	100
▼ BSC 048N025S G	SP000095467	PG-TDSON-8	25	0.0048	1.2 ... 2.0	89
▼ BSC 072N025S G	SP000095468	PG-TDSON-8	25	0.0072	1.2 ... 2.0	40
▼ BSC 085N025S G	SP000095469	PG-TDSON-8	25	0.0085	1.2 ... 2.0	35
▼ BSC 106N025S G	SP000095470	PG-TDSON-8	25	0.0106	1.2 ... 2.0	30
IPB 03N03LA	SP000014034	P-TO263-3-2	25	0.0027	1.2 ... 2.0	80
▼ IPB 03N03LA G	SP000087858	PG-TO263-3-2	25	0.0027	1.2 ... 2.0	80
IPB 04N03LA	SP000014354	P-TO263-3-2	25	0.0039	1.2 ... 2.0	80
▼ IPB 04N03LA G	SP000103302	PG-TO263-3-2	25	0.0039	1.2 ... 2.0	80
IPB 05N03LA	SP000016268	P-TO263-3-2	25	0.0046	1.2 ... 2.0	80
▼ IPB 05N03LA G	SP000068872	PG-TO263-3-2	25	0.0046	1.2 ... 2.0	80
IPB 06N03LA	SP000016269	P-TO263-3-2	25	0.0059	1.2 ... 2.0	50
▼ IPB 06N03LA G	SP000068850	PG-TO263-3-2	25	0.0059	1.2 ... 2.0	50
IPB 09N03LA	SP000016271	P-TO263-3-2	25	0.0089	1.2 ... 2.0	50
▼ IPB 09N03LA G	SP000068859	PG-TO263-3-2	25	0.0089	1.2 ... 2.0	50
IPB 11N03LA	SP000014987	P-TO263-3-2	25	0.0112	1.2 ... 2.0	30
▼ IPB 11N03LA G	SP000103306	PG-TO263-3-2	25	0.0112	1.2 ... 2.0	30
IPB 14N03LA	SP000016324	P-TO263-3-2	25	0.0136	1.2 ... 2.0	30
▼ IPB 14N03LA G	SP000085264	PG-TO263-3-2	25	0.0136	1.2 ... 2.0	30
IPB H6N03LA	SP000068587	P-TO263-3-2	25	0.0062	1.2 ... 2.0	50
▼ IPB H6N03LA G	SP000080228	PG-TO263-3-2	25	0.0062	1.2 ... 2.0	50
▼ IPD 03N03LA G	SP000016406	PG-TO252-3-11	25	0.0032	1.2 ... 2.0	90
IPD 04N03LA	SP000014352	P-TO252-3-11	25	0.0038	1.2 ... 2.0	50
▼ IPD 04N03LA G	SP000017598	PG-TO252-3-11	25	0.0038	1.2 ... 2.0	50
IPD 05N03LA	SP000014022	P-TO252-3-11	25	0.0051	1.2 ... 2.0	50
▼ IPD 05N03LA G	SP000017599	PG-TO252-3-11	25	0.0051	1.2 ... 2.0	50
IPD 06N03LA	SP000016270	P-TO252-3-11	25	0.0057	1.2 ... 2.0	50
▼ IPD 06N03LA G	SP000017600	PG-TO252-3-11	25	0.0057	1.2 ... 2.0	50
IPD 09N03LA	SP000016272	P-TO252-3-11	25	0.0060	1.2 ... 2.0	50
▼ IPD 09N03LA G	SP000017536	PG-TO252-3-11	25	0.0060	1.2 ... 2.0	50
IPD 10N03LA	SP000014983	P-TO252-3-11	25	0.0104	1.2 ... 2.0	30
▼ IPD 10N03LA G	SP000017602	PG-TO252-3-11	25	0.0104	1.2 ... 2.0	30
IPD 13N03LA	SP000016325	P-TO252-3-11	25	0.0128	1.2 ... 2.0	30
▼ IPD 13N03LA G	SP000017537	PG-TO252-3-11	25	0.0128	1.2 ... 2.0	30
IPD H4N03LA G	SP000016407	PG-TO252-3-11	25	0.0042	1.2 ... 2.0	90
IPD H5N03LA G	SP000064379	PG-TO252-3-11	25	0.0052	1.2 ... 2.0	50
IPD H6N03LA G	SP000065817	PG-TO252-3-11	25	0.0060	1.2 ... 2.0	50
IPD H9N03LA G	SP000223594	PG-TO252-3-11	25	0.0092	1.2 ... 2.0	30
IPF 04N03LA	SP000014622	P-TO252-3-23	25	0.0041	1.2 ... 2.0	50
▼ IPF 04N03LA G	SP000017605	PG-TO252-3-23	25	0.0041	1.2 ... 2.0	50
IPF 05N03LA	SP000014545	P-TO252-3-23	25	0.0054	1.2 ... 2.0	50
▼ IPF 05N03LA G	SP000017606	PG-TO252-3-23	25	0.0054	1.2 ... 2.0	50
IPF 06N03LA	SP000015047	P-TO252-3-23	25	0.0089	1.2 ... 2.0	50
▼ IPF 06N03LA G	SP000017607	PG-TO252-3-23	25	0.0089	1.2 ... 2.0	50



SMD = Surface Mounted Device

Power Semiconductors

Type	Ordering Code	Package	Data			
			V_{DS}	$R_{DS(on)}$	$V_{GS(th)}$	I_D
			V	Ω	V	A

Power Transistors

N-Channel Enhancement Types (OptiMOS®2)

Low Voltage MOSFETs 25 V

(cont'd)

IPF 09N03LA	SP000014623	P-TO252-3-23	25	0.0106	1.2 ... 2.0	30
▼ IPF 09N03LA G	SP000017608	PG-TO252-3-23	25	0.0106	1.2 ... 2.0	30
IPF 10N03LA	SP000014985	P-TO252-3-23	25	0.0133	1.2 ... 2.0	30
▼ IPF 10N03LA G	SP000017609	PG-TO252-3-23	25	0.0133	1.2 ... 2.0	30
IPF 13N03LA	SP000014546	P-TO252-3-23	25	0.0130	1.2 ... 2.0	30
▼ IPF 13N03LA G	SP000017610	PG-TO252-3-23	25	0.0130	1.2 ... 2.0	30
IPF H6N03LA	SP000068589	PG-TO252-3-23	25	0.0062	1.2 ... 2.0	50
IPI 03N03LA	SP000014036	P-TO262-3-1	25	0.0027	1.2 ... 2.0	80
IPI 04N03LA	SP000014355	P-TO262-3-1	25	0.0039	1.2 ... 2.0	80
IPI 05N03LA	SP000014021	P-TO262-3-1	25	0.0046	1.2 ... 2.0	80
IPI 06N03LA	SP000014026	P-TO262-3-1	25	0.0059	1.2 ... 2.0	50
IPI 09N03LA	SP000014032	P-TO262-3-1	25	0.0089	1.2 ... 2.0	50
IPI 11N03LA	SP000014988	P-TO262-3-1	25	0.0112	1.2 ... 2.0	30
IPI 14N03LA	SP000014029	P-TO262-3-1	25	0.0136	1.2 ... 2.0	30
IPP 03N03LA	SP000014035	P-TO220-3-1	25	0.0027	1.2 ... 2.0	80
IPP 04N03LA	SP000014353	P-TO220-3-1	25	0.0039	1.2 ... 2.0	80
IPP 05N03LA	SP000014020	P-TO220-3-1	25	0.0046	1.2 ... 2.0	80
IPP 06N03LA	SP000014025	P-TO220-3-1	25	0.0059	1.2 ... 2.0	50
IPP 09N03LA	SP000014031	P-TO220-3-1	25	0.0089	1.2 ... 2.0	50
IPP 11N03LA	SP000014986	P-TO220-3-1	25	0.0112	1.2 ... 2.0	30
IPP 14N03LA	SP000014028	P-TO220-3-1	25	0.0136	1.2 ... 2.0	30
▼ IPS 03N03LA G	SP000016404	PG-TO251-3-11	25	0.0034	1.2 ... 2.0	90
IPS 04N03LA G	SP000016330	PG-TO251-3-11	25	0.0040	1.2 ... 2.0	50
IPS 05N03LA G	SP000015129	PG-TO251-3-11	25	0.0051	1.2 ... 2.0	50
IPS 06N03LA G	SP000015130	PG-TO251-3-11	25	0.0057	1.2 ... 2.0	50
IPS 09N03LA G	SP000015131	PG-TO251-3-11	25	0.0086	1.2 ... 2.0	50
IPS 10N03LA G	SP000015132	PG-TO251-3-11	25	0.0104	1.2 ... 2.0	30
IPS 13N03LA G	SP000015133	PG-TO251-3-11	25	0.0128	1.2 ... 2.0	30
IPS H4N03LA G	SP000016331	PG-TO251-3-11	25	0.0042	1.2 ... 2.0	90
IPS H5N03LA G	SP000064378	PG-TO251-3-11	25	0.0052	1.2 ... 2.0	50
IPS H6N03LA G	SP000075257	PG-TO251-3-11	25	0.0062	1.2 ... 2.0	50
IPS H9N03LA G	SP000223596	PG-TO251-3-11	25	0.0092	1.2 ... 2.0	30
IPI 04N03LA	SP000014621	P-TO251-3-21	25	0.0040	1.2 ... 2.0	50
▼ IPU 04N03LA G	SP000017593	PG-TO251-3-21	25	0.0040	1.2 ... 2.0	50
IPU 05N03LA	SP000014903	P-TO251-3-21	25	0.0053	1.2 ... 2.0	50
▼ IPU 05N03LA G	SP000017595	PG-TO251-3-21	25	0.0053	1.2 ... 2.0	50
IPU 06N03LA	SP000014023	P-TO251-3-21	25	0.0059	1.2 ... 2.0	50
▼ IPU 06N03LA G	SP000017594	PG-TO251-3-21	25	0.0059	1.2 ... 2.0	50
IPU 09N03LA	SP000014033	P-TO251-3-21	25	0.0088	1.2 ... 2.0	50
▼ IPU 09N03LA G	SP000017511	PG-TO251-3-21	25	0.0088	1.2 ... 2.0	50
IPU 10N03LA	SP000014984	P-TO251-3-21	25	0.0106	1.2 ... 2.0	30
▼ IPU 10N03LA G	SP000017597	PG-TO251-3-21	25	0.0106	1.2 ... 2.0	30
IPU 13N03LA	SP000014030	P-TO251-3-21	25	0.0130	1.2 ... 2.0	30
▼ IPU 13N03LA G	SP000017538	PG-TO251-3-21	25	0.0130	1.2 ... 2.0	30
IPU H6N03LA G	SP000068594	PG-TO251-3-21	25	0.0062	1.2 ... 2.0	50

3

SMD = Surface Mounted Device

Power Semiconductors

Type	Ordering Code	Package	Data			
			V_{DS}	$R_{DS(on)}$	$V_{GS(th)}$	I_D
			V	Ω	V	A

Power Transistors

N-Channel Enhancement Types (OptiMOS® 2)

Low Voltage MOSFETs 30 V

▼ BSC 022N03S G	SP000056189	PG-TDSON-8	30	0.0022	1.2 ... 2.0	100
▼ BSC 027N03S G	SP000095462	PG-TDSON-8	30	0.0027	1.2 ... 2.0	100
BSC 032N03S	SP000014714	P-TDSON-8	30	0.0032	1.2 ... 2.0	100
▼ BSC 032N03S G	SP000056190	PG-TDSON-8	30	0.0032	1.2 ... 2.0	100
▼ BSC 042N03S G	SP000056191	PG-TDSON-8	30	0.0042	1.2 ... 2.0	95
BSC 052N03S	SP000014716	P-TDSON-8	30	0.0052	1.2 ... 2.0	80
▼ BSC 052N03S G	SP000056192	PG-TDSON-8	30	0.0052	1.2 ... 2.0	80
BSC 059N03S	SP000014717	P-TDSON-8	30	0.0055	1.2 ... 2.0	73
▼ BSC 059N03S G	SP000056194	PG-TDSON-8	30	0.0055	1.2 ... 2.0	73
BSC 079N03S G	SP000016414	PG-TDSON-8	30	0.0079	1.2 ... 2.0	40
BSC 094N03S G	SP000016415	PG-TDSON-8	30	0.0055	1.2 ... 2.0	35
BSC 119N03S G	SP000016416	PG-TDSON-8	30	0.0055	1.2 ... 2.0	30
▼ BSO 052N03S G	SP000080998	PG-DSO-8-1	30	0.0052	1.2 ... 2.0	17
BSO 064N03S	SP000014672	P-DSO-8-1	30	0.0064	1.2 ... 2.0	16
▼ BSO 064N03S G	SP000077646	PG-DSO-8-1	30	0.0064	1.2 ... 2.0	16
BSO 072N03S	SP000014673	P-DSO-8-1	30	0.0068	1.2 ... 2.0	15
▼ BSO 072N03S G	SP000077647	PG-DSO-8-1	30	0.0068	1.2 ... 2.0	15
BSO 094N03S	SP000014674	P-DSO-8-1	30	0.0091	1.2 ... 2.0	13
▼ BSO 094N03S G	SP000077648	PG-DSO-8-1	30	0.0091	1.2 ... 2.0	13
BSO 104N03S	SP000014675	P-DSO-8-1	30	0.0097	1.2 ... 2.0	13
▼ BSO 104N03S G	SP000077649	PG-DSO-8-1	30	0.0097	1.2 ... 2.0	13
▼ BSO 119N03S G	SP000077657	PG-DSO-8-1	30	0.0119	1.2 ... 2.0	11
BSO 150N03	SP000014678	P-DSO-8-1	30	0.0150	1.2 ... 2.0	9.1
▼ BSO 150N03	SP000077687	PG-DSO-8-1	30	0.0150	1.2 ... 2.0	9.1
▼ BSO 200N03	SP000104683	PG-DSO-8-1	30	0.0200	1.2 ... 2.0	7.9
BSO 200N03S	SP000014677	P-DSO-8-1	30	0.0200	1.2 ... 2.0	8.8
▼ BSO 200N03S	SP000077658	PG-DSO-8-1	30	0.0200	1.2 ... 2.0	8.8
BSO 300N03S	SP000014572	P-DSO-8-1	30	0.0300	1.2 ... 2.0	7.2
▼ BSO 300N03S	SP000077644	PG-DSO-8-1	30	0.0300	1.2 ... 2.0	7.2
BSO 350N03S	SP000014679	P-DSO-8-1	30	0.0350	1.2 ... 2.0	6.0
▼ BSO 350N03S G	SP000080984	PG-DSO-8-1	30	0.0350	1.2 ... 2.0	6.0
IPB 03N03LB	SP000074722	P-TO263-3-2	30	0.0028	1.2 ... 2.0	80
▼ IPB 03N03LB G	SP000103300	PG-TO263-3-2	30	0.0028	1.2 ... 2.0	80
IPB 04N03LB	SP000064219	P-TO263-3-2	30	0.0035	1.2 ... 2.0	80
▼ IPB 04N03LB G	SP000103301	PG-TO263-3-2	30	0.0035	1.2 ... 2.0	80
▼ IPD 05N03LB	SP000065206	P-TO263-3-2	30	0.0048	1.2 ... 2.0	90
▼ IPD 05N03LB G	SP000103303	PG-TO263-3-2	30	0.0048	1.2 ... 2.0	90
▼ IPB 06N03LB	SP000065274	P-TO263-3-2	30	0.0063	1.2 ... 2.0	50
▼ IPB 06N03LB G	SP000103304	PG-TO263-3-2	30	0.0063	1.2 ... 2.0	50
IPB 10N03LB	SP000064220	P-TO263-3-2	30	0.0096	1.2 ... 2.0	50
▼ IPB 10N03LB G	SP000103305	PG-TO263-3-2	30	0.0096	1.2 ... 2.0	50
IPB 13N03LB	SP000064218	P-TO263-3-2	30	0.0125	1.2 ... 2.0	30
▼ IPB 13N03LB G	SP000103307	PG-TO263-3-2	30	0.0125	1.2 ... 2.0	30
IPD 03N03LB G	SP000016408	PG-TO252-3-11	30	0.0033	1.2 ... 2.0	90
IPD 04N03LB G	SP000016409	PG-TO252-3-11	30	0.0041	1.2 ... 2.0	50

3

SMD = Surface Mounted Device

Power Semiconductors

Type	Ordering Code	Package	Data			
			V_{DS}	$R_{DS(on)}$	$V_{GS(th)}$	I_D
			V	Ω	V	A

Power Transistors

N-Channel Enhancement Types (OptiMOS®2)

Low Voltage MOSFETs 30 V

(cont'd)

IPD 05N03LB G	SP000016410	PG-TO252-3-11	30	0.0048	1.2 ... 2.0	90
IPD 06N03LB G	SP000016411	PG-TO252-3-11	30	0.0061	1.2 ... 2.0	50
IPD 09N03LB G	SP000016412	PG-TO252-3-11	30	0.0091	1.2 ... 2.0	50
IPD 12N03LB	SP000016413	P-TO252-3-11	30	0.0116	1.2 ... 2.0	30
▼ IPD 12N03LB G	SP000017332	PG-TO252-3-11	30	0.0116	1.2 ... 2.0	30
IPP 03N03LB G	SP000074721	PG-TO220-3-1	30	0.0031	1.2 ... 2.0	80
IPP 04N03LB G	SP000064223	PG-TO220-3-1	30	0.0038	1.2 ... 2.0	80
IPP 05N03LB G	SP000065247	PG-TO220-3-1	30	0.0053	1.2 ... 2.0	80
IPP 07N03LB G	SP000065252	PG-TO220-3-1	30	0.0065	1.2 ... 2.0	50
IPP 10N03LB G	SP000064222	PG-TO220-3-1	30	0.0099	1.2 ... 2.0	50
IPP 13N03LB G	SP000064224	PG-TO220-3-1	30	0.0128	1.2 ... 2.0	30
▼ IPS 03N03LB G	SP000220141	PG-TO251-3-11	30	0.0028	1.2 ... 2.0	80
▼ IPS 04N03LB G	SP000219859	PG-TO251-3-11	30	0.0041	1.2 ... 2.0	50
▼ IPS 05N03LB G	SP000220140	PG-TO251-3-11	30	0.0048	1.2 ... 2.0	90
▼ IPS 09N03LB G	SP000220142	PG-TO251-3-11	30	0.0091	1.2 ... 2.0	50
▼ IPS H6N03LB G	SP000220143	PG-TO251-3-11	30	0.0090	1.2 ... 2.0	50
▼ IPU 04N03LB G	SP000220463	PG-TO251-3-21	30	0.0038	1.2 ... 2.0	80
▼ IPU 06N03LB G	SP000209113	PG-TO251-3-21	30	0.0061	1.2 ... 2.0	50
▼ IPU 09N03LB G	SP000209115	PG-TO251-3-21	30	0.0091	1.2 ... 2.0	50
▼ IPU H6N03LB G	SP000209114	PG-TO251-3-21	30	0.0090	1.2 ... 2.0	50

3

N-Channel Enhancement Types (OptiMOS®2)

Low Voltage MOSFETs 85 V

▼ IPB 051NE8N G	SP000096445	PG-TO263-3-2	85	0.0051	2.1 ... 4.0	100
▼ IPB 06CNE8N G	SP000096447	PG-TO263-3-2	85	0.0062	2.1 ... 4.0	100
▼ IPB 08CNE8N G	SP000096449	PG-TO263-3-2	85	0.0082	2.1 ... 4.0	95
▼ IPB 12CNE8N G	SP000096451	PG-TO263-3-2	85	0.0129	2.1 ... 4.0	67
▼ IPB 16CNE8N G	SP000096453	PG-TO263-3-2	85	0.0162	2.1 ... 4.0	53
▼ IPD 16CNE8N G	SP000096455	PG-TO252-3-11	85	0.0162	2.1 ... 4.0	53
▼ IPD 25CNE8N G	SP000096457	PG-TO252-3-11	85	0.0260	2.1 ... 4.0	35
▼ IPP 06CNE8N G	SP000096464	PG-TO220-3-1	85	0.0062	2.1 ... 4.0	100
▼ IPP 08CNE8N G	SP000096466	PG-TO220-3-1	85	0.0082	2.1 ... 4.0	95
▼ IPP 12CNE8N G	SP000096467	PG-TO220-3-1	85	0.0129	2.1 ... 4.0	67
▼ IPP 054NE8N G	SP000096462	PG-TO220-3-1	85	0.0051	2.1 ... 4.0	100
▼ IPP 16CNE8N G	SP000096470	PG-TO220-3-1	85	0.0162	2.1 ... 4.0	53
▼ IPP 26CNE8N G	SP000096472	PG-TO220-3-1	85	0.0250	2.1 ... 4.0	35

SMD = Surface Mounted Device

Power Semiconductors

Type	Ordering Code	Package	Data			
			V_{DS}	$R_{DS(on)}$	$V_{GS(th)}$	I_D
			V	Ω	V	A

Power Transistors

N-Channel Enhancement Types (OptiMOS®2)

Low Voltage MOSFETs 100 V

▼ IPB 05CN10N G	SP000096440	PG-TO263-3-2	100	0.0054	2.1 ... 4.0	100
▼ IPB 06CN10N G	SP000096446	PG-TO263-3-2	100	0.0065	2.1 ... 4.0	100
▼ IPB 08CN10N G	SP000096448	PG-TO263-3-2	100	0.0085	2.1 ... 4.0	95
▼ IPB 12CN10N G	SP000096450	PG-TO263-3-2	100	0.0129	2.1 ... 4.0	67
▼ IPB 16CN10N G	SP000096452	PG-TO263-3-2	100	0.0165	2.1 ... 4.0	53
▼ IPD 16CN10N G	SP000096454	PG-TO252-3-11	100	0.0165	2.1 ... 4.0	53
▼ IPD 25CN10N G	SP000096456	PG-TO252-3-11	100	0.0250	2.1 ... 4.0	25
▼ IPD 33CN10N G	SP000096458	PG-TO252-3-11	100	0.0330	2.1 ... 4.0	27
▼ IPD 49CN10N G	SP000096459	PG-TO252-3-11	100	0.0490	2.1 ... 4.0	20
▼ IPD 64CN10N G	SP000104811	PG-TO252-3-11	100	0.0640	2.1 ... 4.0	17
▼ IPD 78CN10N G	SP000096460	PG-TO252-3-11	100	0.0780	2.1 ... 4.0	13
▼ IPP 05CN10N G	SP000096461	PG-TO220-3-1	100	0.0051	2.1 ... 4.0	100
▼ IPP 06CN10N G	SP000096463	PG-TO220-3-1	100	0.0065	2.1 ... 4.0	100
▼ IPP 08CN10N G	SP000096465	PG-TO220-3-1	100	0.0085	2.1 ... 4.0	95
▼ IPP 12CN10N G	SP000096468	PG-TO220-3-1	100	0.0129	2.1 ... 4.0	67
▼ IPP 16CN10N G	SP000096469	PG-TO220-3-1	100	0.0165	2.1 ... 4.0	53
▼ IPP 26CN10N G	SP000096471	PG-TO220-3-1	100	0.0260	2.1 ... 4.0	35
▼ IPP 50CN10N G	SP000096474	PG-TO220-3-1	100	0.0500	2.1 ... 4.0	20

3

SMD = Surface Mounted Device

Power Semiconductors

Type	Ordering Code	Package	Data			
			V_{DS}	$R_{DS(on)}$	$V_{GS(th)}$	I_D
			V	Ω	V	A

Power Transistors

N-Channel Enhancement Types (OptiMOS®-T)

Low Voltage MOSFETs 55 V MOSFETs

▼ IPB 25N06S3L-22	SP000087994	PG-TO263-3-2	55	0.0210	1.2 ... 2.2	25
▼ IPB 25N06S3-25	SP000088000	PG-TO263-3-2	55	0.0250	2.1 ... 4.0	25
▼ IPB 77N06S3-09	SP000088715	PG-TO263-3-2	55	0.0088	2.1 ... 4.0	77
▼ IPB 80N06S3-07	SP000088065	PG-TO263-3-2	55	0.0065	2.1 ... 4.0	80
▼ IPB 80N06S3L-06	SP000088004	PG-TO263-3-2	55	0.0056	1.2 ... 2.2	80
▼ IPB 100N06S3-03	SP000087982	PG-TO263-3-2	55	0.0030	2.1 ... 4.0	100
▼ IPB 100N06S3L-03	SP000087978	PG-TO263-3-2	55	0.0027	1.2 ... 2.2	100
▼ IPB 100N06S3L-04	SP000102219	PG-TO263-3-2	55	0.0038	1.2 ... 2.2	100
▼ IPI 25N06S3L-22	SP000087996	PG-TO262-3-1	55	0.0021	1.2 ... 2.2	25
▼ IPI 25N06S3-25	SP000087997	PG-TO262-3-1	55	0.0025	2.1 ... 4.0	25
▼ IPI 77N06S3-09	SP000088716	PG-TO262-3-1	55	0.0088	2.1 ... 4.0	77
▼ IPI 80N06S3-07	SP000088064	PG-TO262-3-1	55	0.0065	2.1 ... 4.0	80
▼ IPI 80N06S3L-06	SP000088002	PG-TO262-3-1	55	0.0056	1.2 ... 2.2	80
▼ IPI 80N06S3L-08	SP000088131	PG-TO262-3-1	55	0.0076	1.2 ... 2.2	80
▼ IPI 100N06S3-03	SP000087992	PG-TO262-3-1	55	0.0030	2.1 ... 4.0	100
▼ IPI 100N06S3L-03	SP000087979	PG-TO262-3-1	55	0.0027	1.2 ... 2.2	100
▼ IPI 100N06S3L-04	SP000102211	PG-TO262-3-1	55	0.0038	1.2 ... 2.2	100
▼ IPP 25N06S3L-22	SP000087993	PG-TO220-3-1	55	0.0021	1.2 ... 2.2	25
▼ IPP 25N06S3-25	SP000088001	PG-TO220-3-1	55	0.0025	2.1 ... 4.0	25
▼ IPP 77N06S3-09	SP000088717	PG-TO220-3-1	55	0.0088	2.1 ... 4.0	77
▼ IPP 80N06S3-07	SP000088067	PG-TO220-3-1	55	0.0065	2.1 ... 4.0	80
▼ IPP 80N06S3L-06	SP000088006	PG-TO220-3-1	55	0.0056	1.2 ... 2.2	80
▼ IPP 80N06S3L-08	SP000088127	PG-TO220-3-1	55	0.0076	1.2 ... 2.2	80
▼ IPP 100N06S3-03	SP000087980	PG-TO220-3-1	55	0.0030	2.1 ... 4.0	100
▼ IPP 100N06S3L-03	SP000087977	PG-TO220-3-1	55	0.0027	1.2 ... 2.2	100
▼ IPP 100N06S3L-04	SP000102209	PG-TO220-3-1	55	0.0038	1.2 ... 2.2	100

N-Channel Enhancement Types (Buck Converter Series)

Low Voltage MOSFETs 30 V MOSFETs

IPD 20N03L	SP000016259	P-TO252-3-11	30	0.0200	1.2 ... 2.0	30
▼ IPD 20N03L G	SP000017603	PG-TO252-3-11	30	0.0200	1.2 ... 2.0	30
IPP 21N03L G	SP000065079	P-TO220-3-1	30	0.0210	1.2 ... 2.0	30
IPS 20N03L G	SP000064380	PG-TO251-3-11	30	0.0200	1.2 ... 2.0	30
▼ IPU 20N03L G	SP000018246	PG-TO251-3-1	30	0.0200	1.2 ... 2.0	30

3

SMD = Surface Mounted Device

Power Semiconductors

Type	Ordering Code	Package	Data			
			V_{DS}	$R_{DS(on)}$	$V_{GS(th)}$	I_D
			V	Ω	V	A

Power Transistors

P-Channel Enhancement Types (OptiMOS®)

Low Voltage MOSFETs -20 V to -30 V

BSA 223SP	SP000014171	SC75	-20	1.200	-1.2 ... -0.6	-0.39
BSD 223P	SP000013661	SOT363	-20	1.200	-1.2 ... -0.6	-0.35
BSL 207SP	SP000012582	TSOP-6-1	-20	0.045	-1.2 ... -0.6	-15.6
▼ BSL 207SP G	SP000095796	TSOP-6-1	-20	0.045	-1.2 ... -0.6	-15.6
BSL 211SP	SP000012580	TSOP-6-1	-20	0.067	-1.2 ... -0.6	-15.9
▼ BSL 211SP G	SP000095797	TSOP-6-1	-20	0.067	-1.2 ... -0.6	-15.9
BSO 201SP	SP000012578	P-DSO-8-1	-20	0.008	-1.2 ... -0.6	-14.9
BSO 203P	SP000012572	P-DSO-8-1	-20	0.021	-1.2 ... -0.6	-9.0
BSO 203SP	SP000012579	P-DSO-8-1	-20	0.021	-1.2 ... -0.6	-8.2
BSO 204P	SP000013487	P-DSO-8-1	-20	0.030	-1.2 ... -0.6	-23.9
BSO 207P	SP000012573	P-DSO-8-1	-20	0.045	-1.2 ... -0.6	-5.7
BSO 211P	SP000012623	P-DSO-8-1	-20	0.067	-1.2 ... -0.6	-4.7
BSO 301SP	SP000012583	P-DSO-8-1	-30	0.008	-2.0 ... -1.0	-14.9
BSO 303P	SP000012622	P-DSO-8-1	-30	0.021	-2.0 ... -1.0	-8.2
BSO 303SP	SP000014019	P-DSO-8-1	-30	0.021	-2.0 ... -1.0	-8.9
BSS 209PW	SP000013478	SOT323	-20	0.55	-1.2 ... -0.6	-0.58
BSS 223PW	SP000013479	SOT323	-20	1.20	-1.2 ... -0.6	-0.39
BSV 236 SP	SP000013480	SOT363	-20	0.175	-1.2 ... -0.6	-0.15
BSL 307SP	SP000012585	TSOP-6-1	-30	0.043	-2.0 ... -1.0	-23.4
▼ BSL 307SP G	SP000095798	TSOP-6-1	-30	0.043	-2.0 ... -1.0	-23.4
BSO 080P03S	SP000014958	P-DSO-8-1	-30	0.008	-2.2 ... -1.0	-14.9
BSO 130P03S	SP000014729	P-DSO-8-1	-30	0.013	-2.2 ... -1.0	-11.3
BSO 200P03S	SP000014959	P-DSO-8-1	-30	0.020	-2.2 ... -1.0	-9.1
SPD 50P03L	SP000012624	P-TO252-3-1	-30	0.007	-2.0 ... -1.0	-50
▼ SPD 50P03L G	SP000086729	PG-TO252-3-1	-30	0.007	-2.0 ... -1.0	-50

3

SMD = Surface Mounted Device

Power Semiconductors

Type	Ordering Code	Package	Data			
			V_{DS}	$R_{DS(on)}$	$V_{GS(th)}$	I_D
			V	Ω	V	A

Power Transistors

P-Channel Enhancement Types (SiPMOS®)

Low Voltage MOSFETs -60 V to -250 V

BSO 613SPV	SP000012847	P-DSO-8-5	-60	0.13	-4.0 ... -2.1	-3.44
▼ BSO 613SPV G	SP000216309	PG-DSO-8-5	-60	0.13	-4.0 ... -2.1	-3.44
BSP 170P	SP000012133	SOT223	-60	0.30	-4.0 ... -2.1	-1.9
▼ BSP 170P G	SP000089225	SOT223	-60	0.30	-4.0 ... -2.1	-1.9
BSP 171P	SP000012134	SOT223	-60	0.30	-2.0 ... -4.0	-1.8
▼ BSP 171P G	SP000089226	SOT223	-60	0.30	-2.0 ... -4.0	-1.8
BSP 315P	SP000012319	SOT223	-60	0.80	-2.0 ... -4.0	-1.17
▼ BSP 315P G	SP000089221	SOT223	-60	0.80	-2.0 ... -4.0	-1.17
BSP 613P	SP000012301	SOT223	-60	0.13	-4.0 ... -2.1	-2.9
▼ BSP 613P G	SP000089224	SOT223	-60	0.13	-4.0 ... -2.1	-2.9
BSS 83P	SP000012075	SOT223	-60	2.00	-2.0 ... -4.0	-0.33
BSS 84P E-6327	SP000012321	SOT223	-60	8.00	-2.0 ... -4.0	-0.17
▼ BSS 84P G E-6327	SP000082879	SOT223	-60	8.00	-2.0 ... -4.0	-0.17
▼ BSS 84P E-6433	SP000012323	SOT223	-60	8.00	-2.0 ... -4.0	-0.17
BSS 84PW	SP000013078	SOT323	-60	8.00	-2.0 ... -4.0	-0.17
SPB 08P06P	SP000012508	P-TO263-3-2	-60	0.30	-4.0 ... -2.1	-8.8
▼ SPB 08P06P G	SP000102179	PG-TO263-3-2	-60	0.30	-4.0 ... -2.1	-8.8
SPB 18P06P	SP000012329	P-TO263-3-2	-60	0.30	-4.0 ... -2.1	-8.8
▼ SPB 18P06P G	SP000102181	PG-TO263-3-2	-60	0.30	-4.0 ... -2.1	-8.8
SPB 80P06P	SP000012841	P-TO263-3-2	-60	0.20	-4.0 ... -2.1	-80
▼ SPB 80P06P G	SP000096088	PG-TO263-3-2	-60	0.20	-4.0 ... -2.1	-80
SPD 08P06P	SP000077441	P-TO252-3-1	-60	0.30	-4.0 ... -2.1	-8.8
▼ SPD 08P06P G	SP000096087	PG-TO252-3-1	-60	0.30	-4.0 ... -2.1	-8.8
SPD 09P06PL	SP000012549	P-TO252-3-1	-60	0.25	-4.0 ... -2.1	-9.7
▼ SPD 09P06PL G	SP000077442	PG-TO252-3-1	-60	0.25	-4.0 ... -2.1	-9.7
SPD 18P06P	SP000012298	P-TO252-3-1	-60	0.13	-4.0 ... -2.1	-18.8
▼ SPD 18P06P G	SP000077440	PG-TO252-3-1	-60	0.13	-4.0 ... -2.1	-18.8
SPD 30P06P	SP000012842	P-TO252-3-1	-60	0.075	-4.0 ... -2.1	-30
▼ SPD 30P06P G	SP000077529	PG-TO252-3-1	-60	0.075	-4.0 ... -2.1	-30
SPP 08P06P	SP000012085	P-TO220-3-1	-60	0.30	-4.0 ... -2.1	-8.8
SPP 18P06P	SP000012300	P-TO220-3-1	-60	0.13	-4.0 ... -2.1	-18.8
SPP 80P06P	SP000012840	P-TO220-3-1	-60	0.023	-4.0 ... -2.1	-80
SPU 08P06P	SP000012086	P-TO251-3-1	-60	0.30	-4.0 ... -2.1	-8.8
SPU 09P06PL	SP000012876	P-TO251-3-1	-60	0.25	-4.0 ... -2.1	-9.7
SPU 18P06P	SP000012303	P-TO251-3-1	-60	0.13	-4.0 ... -2.1	-18.6
SPU 30P06P	SP000012844	P-TO251-3-1	-60	0.075	-4.0 ... -2.1	-30
BSP 316P	SP000014249	SOT223	-100	2.20	-2.0 ... -0.8	-0.65
▼ BSP 316P G	SP000089222	SOT223	-100	2.20	-2.0 ... -0.8	-0.65
SPP 15P10P	SP000014331	P-TO220-3-1	-100	0.24	-4.0 ... -2.1	-15
▼ SPP 15P10P G	SP000212313	PG-TO220-3-1	-100	0.24	-4.0 ... -2.1	-15
BSP 317P	SP000014250	SOT223	-200	6	-2.0 ... -0.8	-0.37
▼ BSP 317P G	SP000089220	SOT223	-200	6	-2.0 ... -0.8	-0.37
BSP 92P	SP000014253	SOT223	-240	20	-2.0 ... -0.8	-0.2
▼ BSP 92P G	SP000089223	SOT223	-240	20	-2.0 ... -0.8	-0.2
BSS 192P	SP000014329	SOT89	-240	20	-2.0 ... -0.8	-0.15
▼ BSS 192P G	SP000095795	SOT89	-240	20	-2.0 ... -0.8	-0.15

3

SMD = Surface Mounted Device

Power Semiconductors

Type	Ordering Code	Package	Data			
			V_{DS}	$R_{DS(on)}$	$V_{GS(th)}$	I_D
			V	Ω	V	A

Power Transistors

N-Channel Depletion Types MOSFETs (SIPMOS®)

BSS 159N	SP000014638	SOT23	60	8	- 3.5 ... - 2.4	0.13
BSS 159N E-6906	SP000055412	SOT23	60	8	sorted in bands	0.13
BSS 169	SP000011172	SOT23	100	12	- 2.9 ... - 1.8	0.09
BSS 169 E-6906	SP000055416	SOT23	100	12	sorted in bands	0.09
BSP 149	SP000011104	SOT223	200	3.5	- 2.1 ... - 1.0	0.14
▼ BSP 149 G	SP000089214	SOT223	200	3.5	- 2.1 ... - 1.0	0.14
▼ BSP 149 E-6906	SP000055414	SOT223	200	3.5	sorted in bands	0.14
▼ BSP 149 G E-6906	SP000089215	SOT223	200	3.5	sorted in bands	0.14
BSP 129	SP000011102	SOT223	240	6	- 2.1 ... - 1.0	0.05
▼ BSP 129 G	SP000089218	SOT223	240	6	- 2.1 ... - 1.0	0.05
▼ BSP 129 G E-6906	SP000089219	SOT223	240	6	sorted in bands	0.05
BSS 139	SP000011170	SOT23	250	30	- 2.1 ... - 1.0	0.03
BSS 139 E-6906	SP000055415	SOT23	250	30	sorted in bands	0.03
BSP 135	SP000011103	SOT223	600	60	- 2.1 ... - 1.0	0.02
▼ BSP 135 G	SP000089206	SOT223	600	60	- 2.1 ... - 1.0	0.02
BSP 135 E-6906	SP000055417	SOT223	600	60	sorted in bands	0.02
▼ BSP 135 G E-6906	SP000089207	SOT223	600	60	sorted in bands	0.02
BSS 126 G	SP000055447	SOT23	600	500	- 2.7 ... - 1.6	0.007
BSS 126 G E-6906	SP000055448	SOT23	600	500	sorted in bands	0.007

Complementary N/P-Channel Enhancement Types (SIPMOS®)

Low Voltage MOSFETs

BSO 612CV	SP000012292	P-DSO-8-5	60	0.12	2.1 ... 4.0	3.1
			- 60	0.30	- 4.0 ... - 2.1	- 2.0
▼ BSO 612CV G	SP000216307	PG-DSO-8-5	60	0.12	2.1 ... 4.0	3.1
			- 60	0.30	- 4.0 ... - 2.1	- 2.0
BSO 615C	SP000011972	P-DSO-8-5	60	0.11	1.2 ... 2.0	3.2
			- 60	0.30	- 2.0 ... - 1.0	- 2.0
▼ BSO 615C G	SP000216311	PG-DSO-8-5	60	0.11	1.2 ... 2.0	3.2
			- 60	0.30	- 2.0 ... - 1.0	- 2.0

3

SMD = Surface Mounted Device

Power Semiconductors

Type	Ordering Code	Package	Data			
			V_{DS}	$R_{DS(on)}$	$V_{GS(th)}$	I_D
			V	Ω	V	A

Power Transistors

N-Channel SiPMOS Small-Signal Transistors High Voltage 400 V

BSP 298	SP000011109	SOT223	400	3	2.1 ... 4.0	0.50
▼ BSP 298 G	SP000088258	SOT223	400	3	2.1 ... 4.0	0.50
BSP 324	SP000011117	SOT223	400	25	1.5 ... 2.5	0.17
▼ BSP 324 G	SP000089203	SOT223	400	25	1.5 ... 2.5	0.17

N-Channel SiPMOS Small-Signal Transistors High Voltage 500 V

BSP 299	SP000011110	SOT223	500	4	2.1 ... 4.0	0.40
▼ BSP 299 G	SP000089200	SOT223	500	4	2.1 ... 4.0	0.40

N-Channel SiPMOS Small-Signal Transistors High Voltage 600 V

BSP 125	SP000011100	SOT223	600	45	1.5 ... 2.5	0.120
▼ BSP 125 G	SP000089204	SOT223	600	45	1.5 ... 2.5	0.120
BSP 125 E-6433	SP000011101	SOT223	600	45	1.5 ... 2.5	0.120
▼ BSP 125 G E-6433	SP000089211	SOT223	600	45	1.5 ... 2.5	0.120
BSS 127 G	SP000056646	SOT23	600	500	1.4 ... 2.6	0.023
BSS 225	SP000017502	SOT89	600	45	1.3 ... 2.3	0.090
▼ BSS 225 G	SP000095776	SOT89	600	45	1.3 ... 2.3	0.090

N-Channel SiPMOS Small-Signal Transistors High Voltage 800 V

BSP 300	SP000011111	SOT223	800	20	2.0 ... 4.0	0.19
▼ BSP 300 G	SP000089201	SOT223	800	20	2.0 ... 4.0	0.19

N-Channel SiPMOS MOSFETs High Voltage 800 V

▼ BUZ 81	SP000016235	P-TO220-3-1	800	2.5	2.4 ... 4.0	4.00
----------	-------------	-------------	-----	-----	-------------	------

3

SMD = Surface Mounted Device

Power Semiconductors

Type	Ordering Code	Package	Data			
			V_{DS}	$R_{DS(on)}$	$V_{GS(th)}$	I_D
			V	Ω	V	A

Power Transistors

N-Channel CoolMOS™ MOSFETs High Voltage 500 V

SPA 04N50C3	SP000216298	PG-TO220-3-31	500	0.95	2.1 ... 3.9	4.50
SPA 08N50C3	SP000216306	PG-TO220-3-31	500	0.60	2.1 ... 3.9	7.60
SPA 12N50C3	SP000216322	PG-TO220-3-31	500	0.38	2.1 ... 3.9	11.60
SPA 16N50C3	SP000216351	PG-TO220-3-31	500	0.28	2.1 ... 3.9	16.00
SPA 21N50C3	SP000216364	PG-TO220-3-31	500	0.19	2.1 ... 3.9	21.00
SPB 04N50C3	SP000014477	P-TO263-3-2	500	0.95	2.1 ... 3.9	4.50
SPB 12N50C3	SP000014894	P-TO263-3-2	500	0.38	2.1 ... 3.9	11.60
SPB 16N50C3	SP000014895	P-TO263-3-2	500	0.28	2.1 ... 3.9	16.00
SPB 21N50C3	SP000013833	P-TO263-3-2	500	0.19	2.1 ... 3.9	21.00
SPD 02N50C3	SP000014476	PG-TO252-3-1	500	3.00	2.1 ... 3.9	1.80
SPD 03N50C3	SP000014289	PG-TO252-3-1	500	1.40	2.1 ... 3.9	3.20
SPD 04N50C3	SP000014479	P-TO252-3-1	500	0.95	2.1 ... 3.9	4.50
▼ SPD 04N50C3	SP000077609	PG-TO252-3-1	500	0.95	2.1 ... 3.9	4.50
SPD 08N50C3	SP000013835	P-TO252-3-1	500	0.60	2.1 ... 3.9	7.60
SPI 08N50C3	SP000014461	PG-TO262-3-1	500	0.60	2.1 ... 3.9	7.60
SPI 12N50C3	SP000014467	PG-TO262-3-1	500	0.38	2.1 ... 3.9	11.60
SPI 16N50C3	SP000014470	PG-TO262-3-1	500	0.28	2.1 ... 3.9	16.00
SPI 21N50C3	SP000014463	PG-TO262-3-1	500	0.19	2.1 ... 3.9	21.00
SPP 04N50C3	SP000014478	P-TO220-3-1	500	0.95	2.1 ... 3.9	4.50
SPP 08N50C3	SP000013834	P-TO220-3-1	500	0.60	2.1 ... 3.9	7.60
SPP 12N50C3	SP000014459	P-TO220-3-1	500	0.38	2.1 ... 3.9	11.60
SPP 16N50C3	SP000014460	P-TO220-3-1	500	0.28	2.1 ... 3.9	16.00
SPP 21N50C3	SP000013832	P-TO220-3-1	500	0.19	2.1 ... 3.9	21.00
SPW 12N50C3	SP000014469	PG-TO247-3-1	500	0.38	2.1 ... 3.9	11.60
SPW 16N50C3	SP000014472	PG-TO247-3-1	500	0.28	2.1 ... 3.9	16.00
SPW 21N50C3	SP000014464	PG-TO247-3-1	500	0.19	2.1 ... 3.9	21.00
SPW 32N50C3	SP000014625	PG-TO247-3-1	500	0.11	2.1 ... 3.9	32.00
SPW 52N50C3	SP000014626	PG-TO247-3-1	500	0.07	2.1 ... 3.9	52.00

3

SMD = Surface Mounted Device

Power Semiconductors

Type	Ordering Code	Package	Data			
			V_{DS}	$R_{DS(on)}$	$V_{GS(th)}$	I_D
			V	Ω	V	A

Power Transistors

N-Channel CoolMOS™ MOSFETs High Voltage 600 V

SPA 03N60C3	SP000216296	PG-TO220-3-31	600	1.40	2.1 ... 3.9	3.20
SPA 04N60C3	SP000216299	PG-TO220-3-31	600	0.95	2.1 ... 3.9	3.30
SPA 06N60C3	SP000216301	PG-TO220-3-31	600	0.75	2.1 ... 3.9	6.20
SPA 07N60C3	SP000216303	PG-TO220-3-31	600	0.60	2.1 ... 3.9	7.30
SPA 11N60C3	SP000216312	PG-TO220-3-31	600	0.38	2.1 ... 3.9	5.50
SPA 15N60C3	SP000216325	PG-TO220-3-31	600	0.28	2.1 ... 3.9	15.00
SPA 20N60C3	SP000216354	PG-TO220-3-31	600	0.19	2.1 ... 3.9	8.10
SPB 02N60C3	SP000013516	P-TO263-3-2	600	3.00	3.5 ... 5.5	2.00
SPB 02N60S5	SP000012388	P-TO263-3-2	600	3.00	2.1 ... 3.9	1.80
SPB 03N60C3	SP000013517	P-TO263-3-2	600	1.40	2.1 ... 3.9	3.20
SPB 03N60S5	SP000012341	P-TO263-3-2	600	1.40	3.5 ... 5.5	3.00
SPB 04N60C3	SP000013533	P-TO263-3-2	600	0.95	2.1 ... 3.9	4.50
SPB 04N60S5	SP000012364	P-TO263-3-2	600	0.95	3.5 ... 5.5	4.00
SPB 07N60C3	SP000013518	P-TO263-3-2	600	0.60	2.1 ... 3.9	7.30
SPB 07N60S5	SP000012111	P-TO263-3-2	600	0.60	3.5 ... 5.5	7.00
SPB 11N60C3	SP000013519	P-TO263-3-2	600	0.38	2.1 ... 3.9	11.00
SPB 11N60S5	SP000012373	P-TO263-3-2	600	0.38	3.5 ... 5.5	11.00
SPB 20N60C3	SP000013520	P-TO263-3-2	600	0.19	2.1 ... 3.9	20.00
SPB 20N60S5	SP000012112	P-TO263-3-2	600	0.19	3.5 ... 5.5	20.00
SPD 01N60C3	SP000012114	PG-TO252-3-1	600	6.00	2.1 ... 3.9	0.80
SPD 02N60C3	SP000013693	P-TO252-3-1	600	1.40	2.1 ... 3.9	3.20
▼ SPD 02N60C3	SP000077611	PG-TO252-3-1	600	1.40	2.1 ... 3.9	3.20
SPD 02N60S5	SP000012389	P-TO252-3-1	600	3.00	3.5 ... 5.5	2.00
▼ SPD 02N60S5	SP000083074	PG-TO252-3-1	600	3.00	3.5 ... 5.5	2.00
SPD 03N60C3	SP000013694	P-TO252-3-1	600	0.95	2.1 ... 3.9	4.50
▼ SPD 03N60C3	SP000081145	PG-TO252-3-1	600	0.95	2.1 ... 3.9	4.50
▼ SPD 03N60S5	SP000083076	PG-TO252-3-1	600	1.40	3.5 ... 5.5	3.00
SPD 04N60C3	SP000013656	P-TO252-3-1	600	0.95	2.1 ... 3.9	4.50
▼ SPD 04N60C3	SP000077604	PG-TO252-3-1	600	0.95	2.1 ... 3.9	4.50
SPD 04N60S5	SP000012374	P-TO252-3-1	600	0.95	3.5 ... 5.5	4.00
▼ SPD 04N60S5	SP000077613	PG-TO252-3-1	600	0.95	3.5 ... 5.5	4.00
SPD 06N60C3	SP000014696	P-TO252-3-1	600	0.75	2.1 ... 3.9	6.20
SPD 07N60C3	SP000013730	P-TO252-3-1	600	0.60	2.1 ... 3.9	7.30
▼ SPD 07N60C3	SP000077605	PG-TO252-3-1	600	0.60	2.1 ... 3.9	7.30
SPD 07N60S5	SP000012113	P-TO252-3-1	600	0.60	3.5 ... 5.5	7.00
▼ SPD 07N60S5	SP000077614	P-TO252-3-1	600	0.60	3.5 ... 5.5	7.00

3

SMD = Surface Mounted Device

Power Semiconductors

Type	Ordering Code	Package	Data			
			V_{DS}	$R_{DS(on)}$	$V_{GS(th)}$	I_D
			V	Ω	V	A

Power Transistors

N-Channel CoolMOS™ MOSFETs High Voltage 600 V (cont'd)

SPI 07N60C3	SP000013521	P-TO262-3-1	600	0.60	2.1 ... 3.9	7.30
SPI 07N60S5	SP000013025	P-TO262-3-1	600	0.60	3.5 ... 5.5	7.30
SPI 11N60C3	SP000013522	P-TO262-3-1	600	0.38	2.1 ... 3.9	11.00
SPI 11N60S5	SP000013033	P-TO262-3-1	600	0.38	3.5 ... 5.5	11.00
SPI 15N60C3	SP000014528	P-TO262-3-1	600	0.28	2.1 ... 3.9	15.00
SPI 20N60C3	SP000014453	P-TO262-3-1	600	0.19	2.1 ... 3.9	20.00
SPN 01N60C3	SP000012411	SOT223	600	6.00	2.1 ... 3.9	0.30
SPN 02N60C3	SP000014454	SOT223	600	3.00	2.1 ... 3.9	0.40
▼ SPN 02N60C3 G	SP000101878	SOT223	600	3.00	2.1 ... 3.9	0.40
SPN 02N60C3 E-6433	SP000101883	SOT223	600	3.00	2.1 ... 3.9	0.40
SPN 02N60S5	SP000012412	SOT223	600	3.00	3.5 ... 5.5	0.40
SPN 03N60C3	SP000014455	SOT223	600	1.40	2.1 ... 3.9	0.70
SPN 03N60S5	SP000012413	SOT223	600	1.40	3.5 ... 5.5	0.70
SPN 04N60S5	SP000012414	SOT223	600	0.95	3.5 ... 5.5	0.80
SPP 02N60C3	SP000013523	P-TO220-3-1	600	3.00	2.1 ... 3.9	1.80
SPP 02N60S5	SP000012390	P-TO220-3-1	600	3.00	3.5 ... 5.5	2.00
SPP 03N60C3	SP000013524	P-TO220-3-1	600	1.40	2.1 ... 3.9	3.20
SPP 03N60S5	SP000012340	P-TO220-3-1	600	1.40	3.5 ... 5.5	3.00
SPP 04N60C3	SP000013534	P-TO220-3-1	600	0.95	2.1 ... 3.9	4.50
SPP 04N60S5	SP000012363	P-TO220-3-1	600	0.95	3.5 ... 5.5	4.00
SPP 06N60C3	SP000014697	P-TO220-3-1	600	0.75	2.1 ... 3.9	6.20
SPP 07N60C3	SP000013525	P-TO220-3-1	600	0.60	2.1 ... 3.9	7.30
SPP 07N60S5	SP000012115	P-TO220-3-1	600	0.60	3.5 ... 5.5	7.00
SPP 11N60C3	SP000013526	P-TO220-3-1	600	0.38	2.1 ... 3.9	11.00
SPP 11N60S5	SP000012375	P-TO220-3-1	600	0.38	3.5 ... 5.5	11.00
SPP 15N60C3	SP000014527	P-TO220-3-1	600	0.28	2.1 ... 3.9	15.00
SPP 20N60C3	SP000013527	P-TO220-3-1	600	0.19	2.1 ... 3.9	20.00
SPP 20N60S5	SP000012116	P-TO220-3-1	600	0.19	3.5 ... 5.5	20.00
SPP 24N60C3	SP000014690	P-TO220-3-1	600	0.16	2.1 ... 3.9	24.00
SPU 01N60C3	SP000012110	P-TO251-3-1	600	6.00	2.1 ... 3.9	0.80
SPU 02N60C3	SP000015064	P-TO251-3-1	600	3.00	2.1 ... 3.9	1.80
SPU 02N60S5	SP000012422	P-TO251-3-1	600	3.00	3.5 ... 5.5	1.80
SPU 03N60S5	SP000012423	P-TO251-3-1	600	1.40	3.5 ... 5.5	3.20
▼ SPU 04N60C3	SP000095850	P-TO251-3-1	600	0.95	2.1 ... 3.9	4.50
SPU 04N60S5	SP000012424	P-TO251-3-1	600	0.95	3.5 ... 5.5	4.50
▼ SPU 07N60C3	SP000101635	P-TO251-3-1	600	0.60	2.1 ... 3.9	7.30
SPU 07N60S5	SP000012109	P-TO251-3-1	600	0.60	3.5 ... 5.5	7.30
SPW 11N60C3	SP000013728	P-TO247-3-1	600	0.38	2.1 ... 3.9	11.00
SPW 11N60S5	SP000012462	P-TO247-3-1	600	0.38	3.5 ... 5.5	11.00
SPW 15N60C3	SP000014530	P-TO247-3-1	600	0.28	2.1 ... 3.9	15.00
SPW 20N60C3	SP000013729	P-TO247-3-1	600	0.19	2.1 ... 3.9	20.00
SPW 20N60S5	SP000012463	P-TO247-3-1	600	0.19	3.5 ... 5.5	20.00
SPW 24N60C3	SP000014695	P-TO247-3-1	600	0.16	2.1 ... 3.9	24.00
SPW 35N60C3	SP000014970	P-TO247-3-1	600	0.10	2.1 ... 3.9	34.60
SPW 47N60C3	SP000013953	P-TO247-3-1	600	0.07	2.1 ... 3.9	47.00

3

SMD = Surface Mounted Device

Power Semiconductors

Type	Ordering Code	Package	Data			
			V_{DS}	$R_{DS(on)}$	$V_{GS(th)}$	I_D
			V	Ω	V	A

Power Transistors

CoolMOS™ CP Power MOSFETs High Voltage 600 V

▼ IPA 60R125CP	SP000095275	PG-TO220-3-31	600	0.125	2.5 ... 3.5	25.00
▼ IPA 60R165CP	SP000096437	PG-TO220-3-31	600	0.165	2.5 ... 3.5	21.00
▼ IPA 60R199CP	SP000094146	PG-TO220-3-31	600	0.199	2.5 ... 3.5	16.00
▼ IPA 60R299CP	SP000096438	PG-TO220-3-31	600	0.299	2.5 ... 3.5	11.00
▼ IPA 60R385CP	SP000089316	PG-TO220-3-31	600	0.385	2.5 ... 3.5	9.00
▼ IPB 60R099CP	SP000088490	PG-TO263-3-2	600	0.099	2.5 ... 3.5	31.00
▼ IPB 60R165CP	SP000096439	PG-TO263-3-2	600	0.165	2.5 ... 3.5	21.00
▼ IPB 60R199CP	SP000223256	PG-TO263-3-2	600	0.199	2.5 ... 3.5	16.00
▼ IPB 60R385CP	SP000228365	PG-TO263-3-2	600	0.385	2.5 ... 3.5	9.00
▼ IPD 60R385CP	SP000062533	PG-TO252-3-1	600	0.385	2.5 ... 3.5	9.00
▼ IPI 60R199CP	SP000103248	PG-TO262-3-1	600	0.199	2.5 ... 3.5	16.00
▼ IPI 60R299CP	SP000103249	PG-TO262-3-1	600	0.299	2.5 ... 3.5	11.00
▼ IPI 60R385CP	SP000103250	PG-TO252-3-1	600	0.385	2.5 ... 3.5	9.00
▼ IPP 60R099CP	SP000057021	PG-TO220-3-1	600	0.099	2.5 ... 3.5	31.00
▼ IPP 60R125CP	SP000088488	PG-TO220-3-1	600	0.125	2.5 ... 3.5	21.00
▼ IPP 60R165CP	SP000084279	PG-TO220-3-1	600	0.165	2.5 ... 3.5	25.00
▼ IPP 60R199CP	SP000084278	PG-TO220-3-1	600	0.199	2.5 ... 3.5	16.00
▼ IPP 60R299CP	SP000084280	PG-TO220-3-1	600	0.299	2.5 ... 3.5	11.00
▼ IPP 60R385CP	SP000082281	PG-TO220-3-1	600	0.385	2.5 ... 3.5	9.00
▼ IPW 60R045CP	SP000067149	PG-TO247-3-1	600	0.045	2.5 ... 3.5	60.00
▼ IPW 60R099CP	SP000067147	PG-TO247-3-1	600	0.099	2.5 ... 3.5	31.00
▼ IPW 60R125CP	SP000088489	PG-TO247-3-1	600	0.125	2.5 ... 3.5	25.00
▼ IPW 60R165CP	SP000095483	PG-TO247-3-1	600	0.165	2.5 ... 3.5	21.00
▼ IPW 60R199CP	SP000089802	PG-TO247-3-1	600	0.199	2.5 ... 3.5	16.00
▼ IPW 60R299CP	SP000103251	PG-TO247-3-1	600	0.299	2.5 ... 3.5	11.00

3

CoolMOS™ MOSFETs

CFD for ZVS Applications (with fast body diode) High Voltage 600 V

▼ SPA 11N60CFD	SP000216317	PG-TO220-3-31	600	0.22	3.0 ... 5.0	8.30
▼ SPA 20N60CFD	SP000216361	PG-TO220-3-31	600	0.44	3.0 ... 5.0	11.00
SPP 11N60CFD	SP000014533	PG-TO220-3-1	600	0.22	3.0 ... 5.0	8.30
SPP 20N60CFD	SP000014475	PG-TO220-3-1	600	0.22	3.0 ... 5.0	20.70
SPW 11N60CFD	SP000014534	PG-TO247-3-1	600	0.44	3.0 ... 5.0	11.00
SPW 20N60CFD	SP000014535	PG-TO247-3-1	600	0.22	3.0 ... 5.0	20.00
▼ SPW 35N60CFD	SP000065487	PG-TO247-3-1	600	0.12	3.0 ... 5.0	34.10
▼ SPW 47N60CFD	SP000065376	PG-TO247-3-1	600	0.08	3.0 ... 5.0	46.00

SMD = Surface Mounted Device

Power Semiconductors

Type	Ordering Code	Package	Data			
			V_{DS}	$R_{DS(on)}$	$V_{GS(th)}$	I_D
			V	Ω	V	A

Power Transistors

N-Channel CoolMOS™ MOSFETs High Voltage 650 V

SPA 07N65C3	SP000216305	PG-TO220-3-31	650	0.60	2.1 ... 3.9	7.30
SPA 11N65C3	SP000216318	PG-TO220-3-31	650	0.38	2.1 ... 3.9	11.00
SPA 20N65C3	SP000216362	PG-TO220-3-31	650	0.19	2.1 ... 3.9	20.70
SPI 07N65C3	SP000014632	P-TO220-3-31	650	0.60	2.1 ... 3.9	7.30
SPI 11N65C3	SP000014526	P-TO262-3-1	650	0.38	2.1 ... 3.9	11.00
SPI 20N65C3	SP000014525	P-TO262-3-1	650	0.19	2.1 ... 3.9	20.70
SPP 07N65C3	SP000014631	P-TO220-3-31	650	0.60	2.1 ... 3.9	7.30
SPP 11N65C3	SP000014371	P-TO220-3-31	650	0.38	2.1 ... 3.9	11.00
SPP 20N65C3	SP000014369	P-TO220-3-31	650	0.10	2.1 ... 3.9	20.70

N-Channel CoolMOS™ MOSFETs High Voltage 800 V

SPA 02N80C3	SP000216295	PG-TO220-3-31	800	2.70	2.1 ... 3.9	2.00
SPA 04N80C3	SP000216300	PG-TO220-3-31	800	2.70	2.1 ... 3.9	2.00
SPA 06N80C3	SP000216302	PG-TO220-3-31	800	0.90	2.1 ... 3.9	6.00
SPA 08N80C3	SP000216310	PG-TO220-3-31	800	0.65	2.1 ... 3.9	8.00
SPA 11N80C3	SP000216320	PG-TO220-3-31	800	0.45	2.1 ... 3.9	11.00
SPA 17N80C3	SP000216353	PG-TO220-3-31	800	0.29	2.1 ... 3.9	17.00
SPB 17N80C3	SP000013370	P-TO263-3-2	800	0.29	2.0 ... 4.0	17.00
SPD 02N80C3	SP000014822	P-TO252-3-1	800	2.70	2.1 ... 3.9	2.00
SPD 04N80C3	SP000014524	P-TO252-3-1	800	1.30	2.1 ... 3.9	4.00
▼ SPD 04N80C3	SP000077607	PG-TO252-3-1	800	1.30	2.1 ... 3.9	4.00
SPD 06N80C3	SP000013364	P-TO252-3-1	800	0.90	2.0 ... 4.0	6.00
▼ SPD 06N80C3	SP000077606	PG-TO252-3-1	800	0.90	2.0 ... 4.0	6.00
SPI 08N80C3	SP000014819	P-TO262-3-1	800	0.65	2.1 ... 3.9	8.00
SPP 02N80C3	SP000013732	P-TO220-3-1	800	2.70	2.1 ... 3.9	2.00
SPP 04N80C3	SP000013706	P-TO220-3-1	800	1.30	2.1 ... 3.9	4.00
SPP 06N80C3	SP000013366	P-TO220-3-1	800	0.90	2.0 ... 4.0	6.00
SPP 08N80C3	SP000013704	P-TO220-3-1	800	0.90	2.1 ... 3.9	8.00
SPP 11N80C3	SP000013701	P-TO220-3-1	800	0.45	2.1 ... 3.9	11.00
SPP 17N80C3	SP000013354	P-TO220-3-1	800	0.29	2.1 ... 3.9	17.00
SPW 11N80C3	SP000013703	P-TO247-3-1	800	0.45	2.1 ... 3.9	11.00
SPW 17N80C3	SP000013369	P-TO247-3-1	800	0.29	2.0 ... 4.0	17.00
▼ SPW 17N80C3	SP000101842	PG-TO247-3-1	800	0.29	2.0 ... 4.0	17.00

3

SMD = Surface Mounted Device

Power Semiconductors

Type	Ordering Code	Package	Data			
			V_{CE}	I_C	P_{tot}	R_{thJC}
			V	A	W	K/W

Power Transistors

IGBT Power Transistors

600 V

SGB 02N60	SP000011978	P-TO263-3-2	600	2	50	≤ 4.2
SGB 04N60	SP000011979	P-TO263-3-2	600	4	50	≤ 2.5
SGB 06N60	SP000011980	P-TO263-3-2	600	6	70	≤ 1.85
SGB 10N60	SP000011981	P-TO263-3-2	600	10	125	≤ 1.0
SGB 10N60A	SP000013790	P-TO263-3-2	600	10	92	1.35
SGB 15N60	SP000011983	P-TO263-3-2	600	15	135	≤ 0.9
▼ SGB 15N60 E-3261	SP000011982	P-TO263-3-2	600	15	135	≤ 0.9
SGB 20N60	SP000011984	P-TO263-3-2	600	20	175	≤ 0.7
SGB 30N60	SP000011985	P-TO263-3-2	600	30	250	≤ 0.5
SGD 02N60	SP000011993	P-TO252-3-1	600	2	30	≤ 4.2
SGD 04N60	SP000011994	P-TO252-3-1	600	4	50	≤ 2.5
SGD 06N60	SP000011995	P-TO252-3-1	600	6	70	≤ 1.85
SGP 02N60	SP000011986	P-TO220-3-1	600	2	50	≤ 4.2
SGP 04N60	SP000011987	P-TO220-3-1	600	4	50	≤ 2.5
SGP 06N60	SP000011988	P-TO220-3-1	600	6	70	≤ 1.85
SGP 10N60	SP000011989	P-TO220-3-1	600	10	125	≤ 1.0
SGP 10N60A	SP000013743	P-TO220-3-1	600	10	92	1.35
SGP 15N60	SP000011990	P-TO220-3-1	600	15	135	≤ 0.9
SGP 20N60	SP000011991	P-TO220-3-1	600	20	175	≤ 0.7
SGP 30N60	SP000011992	P-TO220-3-1	600	30	250	≤ 0.5
SGW 10N60	SP000012464	P-TO247-3-1	600	10	104	≤ 1.2
SGW 10N60A	SP000013742	P-TO247-3-1	600	10	92	1.35
SGW 15N60	SP000012465	P-TO247-3-1	600	15	138	≤ 0.9
SGW 20N60	SP000012466	P-TO247-3-1	600	20	178	≤ 0.7
SGW 30N60	SP000012467	P-TO247-3-1	600	30	250	≤ 0.5
▼ SKD 04N60 LV	SP000014295	P-TO252-3-1	600	5	50	≤ 2.5

IGBT Power Transistors

1200 V

▼ BUP 212	SP000011971	P-TO220-3-1	1200	22	125	≤ 1.0
▼ BUP 212 E-3045 A	SP000013752	P-TO263-3-2	1200	22	125	≤ 1.0
▼ BUP 213	SP000011326	P-TO220-3-1	1200	30	200	≤ 0.63
▼ BUP 213 E-3045 A	SP000012387	P-TO263-3-2	1200	30	200	≤ 0.63
▼ BUP 311 D	SP000011954	P-TO218-3-1	1200	12	125	≤ 1.0
▼ BUP 313	SP000011327	P-TO218-3-1	1200	30	200	≤ 0.63
▼ BUP 313 D	SP000011328	P-TO218-3-1	1200	32	200	≤ 0.63
▼ BUP 314	SP000011329	P-TO218-3-1	1200	52	300	≤ 0.42
▼ BUP 314 D	SP000011330	P-TO218-3-1	1200	42	300	≤ 0.42
SGB 02N120	SP000012558	P-TO263-3-2	1200	12	125	≤ 1.0
SGB 07N120	SP000012559	P-TO263-3-2	1200	7	125	≤ 1.0
SGB 15N120	SP000012560	P-TO263-3-2	1200	15	198	≤ 0.63
SGD 02N120	SP000012566	P-TO252-3-1	1200	2	62	≤ 2.0
▼ SGI 02N120	SP000012885	P-TO262-3-1	1200	2	62	≤ 2.0
SGP 02N120	SP000012561	P-TO220-3-1	1200	2	62	≤ 2.0
SGP 07N120	SP000012562	P-TO220-3-1	1200	7	125	≤ 1.0
SGP 15N120	SP000012563	P-TO220-3-1	1200	15	198	≤ 0.63
SGW 15N120	SP000012564	P-TO247-3-1	1200	15	198	≤ 0.63
SGW 25N120	SP000012565	P-TO247-3-1	1200	25	313	≤ 0.4

SMD = Surface Mounted Device



Power Semiconductors

Type	Ordering Code	Package	Data			
			V_{CE}	I_C	P_{tot}	R_{thJC}
			V	A	W	K/W

Power Transistors

IGBT Power Transistors Fast DuoPack™ (IGBT + EmCon™ Diode) 600 V

▼ SKA 06N60	SP000215379	PG-TO220-3-1	600	6	32	≤ 3.9
SKB 02N60	SP000012416	P-TO263-3-2	600	2	30	≤ 4.2
▼ SKB 02N60 E-3266	SP000012417	P-TO263-3-2	600	2	30	≤ 4.2
SKB 04N60	SP000012425	P-TO263-3-2	600	4	50	≤ 2.5
SKB 06N60	SP000012427	P-TO263-3-2	600	6	68	≤ 1.85
SKB 10N60	SP000012420	P-TO263-3-2	600	10	92	≤ 1.35
SKB 10N60A	SP000013740	P-TO263-3-2	600	10	92	≤ 1.35
SKB 15N60	SP000012429	P-TO263-3-2	600	15	139	≤ 0.9
▼ SKB 15N60 E-8151	SP000012430	P-TO263-3-2	600	15	139	≤ 0.9
SKP 02N60	SP000012421	P-TO220-3-1	600	2	30	≤ 4.2
SKP 04N60	SP000012418	P-TO220-3-1	600	4	50	≤ 2.5
SKP 06N60	SP000012426	P-TO220-3-1	600	6	68	≤ 1.85
SKP 10N60	SP000012419	P-TO220-3-1	600	10	92	≤ 1.35
SKP 10N60A	SP000013739	P-TO220-3-1	600	10	92	≤ 1.35
SKP 15N60	SP000012428	P-TO220-3-1	600	15	139	≤ 0.9
SKW 10N60	SP000012481	P-TO247-3-1	600	10	92	≤ 1.35
SKW 10N60A	SP000013741	P-TO247-3-1	600	10	92	≤ 1.35
SKW 15N60	SP000012482	P-TO247-3-1	600	15	139	≤ 0.9
SKW 20N60	SP000012483	P-TO247-3-1	600	20	179	≤ 0.7
SKW 30N60	SP000012484	P-TO247-3-1	600	30	250	≤ 0.5

3

IGBT Power Transistors Fast DuoPack™ (IGBT + EmCon™ Diode) 1200 V

SKB 02N120	SP000012567	P-TO263-3-2	1200	2	62	≤ 2.0
SKP 02N120	SP000012568	P-TO220-3-1	1200	2	62	≤ 2.0
SKW 07N120	SP000012569	P-TO247-3-1	1200	8	125	≤ 1.0
SKW 15N120	SP000012570	P-TO247-3-1	1200	15	198	≤ 0.63
SKW 25N120	SP000012571	P-TO247-3-1	1200	25	313	≤ 0.4

IGBT Power Transistors (High Speed)

SGB 15N60HS	SP000014134	P-TO263-3-2	600	15	138	≤ 0.9
▼ SGB 15N60HS	SP000056421	PG-TO263-3-2	600	15	138	≤ 0.9
SGP 20N60HS	SP000013838	P-TO220-3-1	600	20	178	≤ 0.7
SGP 30N60HS	SP000013839	P-TO220-3-1	600	30	250	≤ 0.5
SGW 20N60HS	SP000013771	P-TO247-3-1	600	20	178	≤ 0.7
SGW 30N60HS	SP000013770	P-TO247-3-1	600	30	250	≤ 0.5
▼ SGW 50N60HS	SP000089248	P-TO247-3-1	600	50	416	≤ 0.3

SMD = Surface Mounted Device

Power Semiconductors

Type	Ordering Code	Package	Data			
			V_{CE}	I_C	P_{tot}	R_{thJC}
			V	A	W	K/W

Power Transistors

IGBT Power Transistors (High Speed-2)

▼ IGA 03N120H2	SP000215371	PG-TO220-3-31	1200	3	29	≤ 4.3
▼ IGA 03N120H2 E-8153	SP000015372	PG-TO220-3-34	1200	3	29	≤ 4.3
IGB 01N120H2	SP000014614	P-TO263-3-2	1200	1	28	≤ 4.5
IGB 03N120H2	SP000014616	P-TO263-3-2	1200	3	62.5	≤ 2.0
IGD 01N120H2	SP000014523	P-TO252-3-1	1200	1	28	≤ 4.5
IGP 01N120H2	SP000014615	P-TO220-3-1	1200	1	28	≤ 4.5
IGP 03N120H2	SP000014617	P-TO220-3-1	1200	3	62.5	≤ 2.0
IGW 03N120H2	SP000014182	P-TO247-3-1	1200	3	62.5	≤ 2.0

IGBT Power Transistors

High Speed DuoPack™ (IGBT + EmCon™ Diode)

▼ SKB 06N60HS	SP000014222	P-TO263-3-2	600	6	68	≤ 1.85
SKB 15N60HS	SP000014221	P-TO263-3-2	600	15	138	≤ 0.90
SKW 20N60HS	SP000013772	P-TO247-3-1	600	20	178	≤ 0.70
SKW 30N60HS	SP000013744	P-TO247-3-1	600	30	250	≤ 0.50

High Speed-2 DuoPack™ (IGBT + EmCon™ Diode)

▼ IKA 03N120H2	SP000215373	PG-TO220-3-31	1200	3	29	≤ 4.30
▼ IKA 03N120H2 E-8153	SP000215374	PG-TO220-3-34	1200	3	29	≤ 4.30
IKB 01N120H2	SP000014271	P-TO263-3-2	1200	1	28	≤ 4.50
IKB 03N120H2	SP000014272	P-TO263-3-2	1200	3	62.5	≤ 2.00
IKP 01N120H2	SP000014179	P-TO220-3-1	1200	1	28	≤ 4.50
IKP 03N120H2	SP000014180	P-TO220-3-1	1200	3	62.5	≤ 2.00
IKW 03N120H2	SP000014181	P-TO247-3-1	1200	3	62.5	≤ 2.00

LightMOS Lighting IGBT

600 V

▼ ILD 03N60	SP000014338	P-TO252-3-21	600	3	27	≤ 4.70
▼ ILD 03N60	SP000077615	PG-TO252-3-21	600	3	27	≤ 4.70

3

SMD = Surface Mounted Device

Power Semiconductors

Type	Ordering Code	Package	Data			
			V_{CE}	I_C	P_{tot}	R_{thJC}
			V	A	W	K/W

Power Transistors

IGBT Power Transistors TrenchStop 600 V

IGB 15N60T	SP000054921	P-TO263-3-2	600	15	130	≤ 1.15
▼ IGB 30N60T	SP000095765	P-TO263-3-2	600	30	187	≤ 0.80
IGB 50N60T	SP000054922	P-TO263-3-2	600	50	333	≤ 0.45
▼ IGP 06N60T	SP000095766	P-TO220-3-1	600	6	88	≤ 1.70
IGP 10N60T	SP000016446	P-TO220-3-1	600	10	187	≤ 0.80
▼ IGP 15N60T	SP000095767	P-TO220-3-1	600	15	130	≤ 1.15
IGP 30N60T	SP000054923	P-TO220-3-1	600	30	333	≤ 0.45
IGP 50N60T	SP000054924	P-TO220-3-1	600	50	333	≤ 0.45
IGW 30N60T	SP000054925	P-TO247-3-1	600	30	333	≤ 0.45
IGW 50N60T	SP000054926	P-TO247-3-1	600	50	333	≤ 0.45
IGW 75N60T	SP000054927	P-TO247-3-1	600	75	428	≤ 0.35

3

IGBT Power Transistors TrenchStop 1200 V

IGW 08T120	SP000013937	P-TO247-3-1	1200	8	70	≤ 1.70
IGW 15T120	SP000013888	P-TO247-3-1	1200	15	110	≤ 1.10
IGW 25T120	SP000013887	P-TO247-3-1	1200	25	190	≤ 0.65
IGW 40T120	SP000013886	P-TO247-3-1	1200	40	270	≤ 0.45
IGW 60T120	SP000013906	P-TO247-3-1	1200	60	375	≤ 0.33

IGBT Power Transistors TrenchStop DuoPack™ (IGBT + EmCon™ Diode) 600 V

▼ IKA 06N60T	SP000215375	PG-TO220-3-1	600	6	28	≤ 5.30
▼ IKA 10N60T	SP000215376	PG-TO220-3-1	600	10	30	≤ 5.00
▼ IKA 15N60T	SP000215377	PG-TO220-3-1	600	15	36	≤ 4.20
IKB 06N60T	SP000014954	P-TO263-3-2	600	6	88	≤ 1.70
IKB 10N60T	SP000014833	P-TO263-3-2	600	10	110	≤ 1.35
IKB 15N60T	SP000054882	P-TO263-3-2	600	15	130	≤ 1.15
IKB 20N60T	SP000054883	P-TO263-3-2	600	20	166	≤ 0.90
IKP 04N60T	SP000054884	P-TO220-3-1	600	4	42	≤ 3.50
IKP 06N60T	SP000014953	P-TO220-3-1	600	6	88	≤ 1.70
IKP 10N60T	SP000014753	P-TO220-3-1	600	10	110	≤ 1.35
▼ IKP 15N60T	SP000095768	P-TO220-3-1	600	15	130	≤ 1.15
IKP 20N60T	SP000054885	P-TO220-3-1	600	20	166	≤ 0.90
IKW 20N60T	SP000054886	P-TO247-3-1	600	20	166	≤ 0.90
IKW 30N60T	SP000054887	P-TO247-3-1	600	30	187	≤ 0.80
IKW 50N60T	SP000054888	P-TO247-3-1	600	50	333	≤ 0.45
IKW 75N60T	SP000054889	P-TO247-3-1	600	75	428	≤ 0.35

SMD = Surface Mounted Device

Power Semiconductors

Type	Ordering Code	Package	Data			
			V_{CE}	I_C	P_{tot}	R_{thJC}
			V	A	W	K/W

Power Transistors

IGBT Power Transistors

TrenchStop DuoPack™ (IGBT + EmCon™ Diode)

1200 V

Type	Ordering Code	Package	V_{CE}	I_C	P_{tot}	R_{thJC}
IHP 10T120	SP000014951	P-TO220-3-1	1200	10	138	≤ 0.90
IHW 15T120	SP000014892	P-TO247-3-1	1200	15	113	≤ 1.10
IHW 20T120	SP000014881	P-TO247-3-1	1200	20	178	≤ 0.70
IHW 40T120	SP000014893	P-TO247-3-1	1200	40	270	≤ 0.45
IKW 08T120	SP000013885	P-TO247-3-1	1200	8	70	≤ 1.70
IKW 15T120	SP000013938	P-TO247-3-1	1200	15	110	≤ 1.10
IKW 25T120	SP000013939	P-TO247-3-1	1200	25	190	≤ 0.65
IKW 40T120	SP000013940	P-TO247-3-1	1200	40	270	≤ 0.45

TrenchStop DuoPack™ (IGBT + EmCon™ Diode)

for induction cooking

600 V

▼ IHW 30N60T	SP000076306	P-TO247-3-1	600	30	187	≤ 0.80
▼ IHW 40N60T	SP000076321	P-TO247-3-1	600	40	303	≤ 0.49

TrenchStop DuoPack™ (IGBT + EmCon™ Diode)

for induction cooking

900 V

▼ IHW 30N90R	SP000209140	P-TO247-3-1	900	30	428	≤ 0.35
▼ IHW 30N90T	SP000076322	P-TO247-3-1	900	30	428	≤ 0.35

TrenchStop DuoPack™ (IGBT + EmCon™ Diode)

for induction cooking

1000 V

▼ IHW 30N100R	SP000212224	PG-TO247-3-21	1000	30	412	≤ 0.36
▼ IHW 30N100T	SP000086713	PG-TO247-3-21	1000	30	412	≤ 0.36

TrenchStop DuoPack™ (IGBT + EmCon™ Diode)

for induction cooking

1200 V

▼ IHW 15N120R	SP000080229	PG-TO247-3-21	1200	15	357	≤ 0.52
▼ IHW 15N120R2	SP000212014	PG-TO247-3-21	1200	15	357	≤ 0.52
▼ IHW 20N120R	SP000076323	PG-TO247-3-21	1200	20	357	≤ 0.42
▼ IHW 20N120R2	SP000212015	PG-TO247-3-21	1200	20	330	≤ 0.45
▼ IHW 30N120R	SP000076324	PG-TO247-3-21	1200	30	395	≤ 0.38
▼ IHW 30N120R2	SP000212017	PG-TO247-3-21	1200	30	390	≤ 0.38

3

SMD = Surface Mounted Device

Power Semiconductors

Type	Ordering Code	Package	Data			
			V_{RRM}	I_F	V_F	T_{Jmax}
			V	A	V	°C

Power Diodes

EmCon™ Diodes

600 V

IDB 06E60	SP000014039	P-TO220-3-45	600	6	1.45	175
IDB 09E60	SP000013914	P-TO220-3-45	600	9	1.45	175
IDB 15E60	SP000014044	P-TO220-3-45	600	15	1.45	175
IDB 23E60	SP000014046	P-TO220-3-45	600	23	1.45	175
IDB 30E60	SP000013917	P-TO220-3-45	600	30	1.45	175
IDB 45E60	SP000013635	P-TO220-3-45	600	45	1.45	175
IDD 03E60	SP000013632	P-TO252-3-1	600	3	1.45	175
IDD 06E60	SP000013633	P-TO252-3-1	600	6	1.45	175
▼ IDD 06E60	SP000077586	PG-TO252-3-1	600	6	1.45	175
IDD 09E60	SP000013634	P-TO252-3-1	600	9	1.45	175
IDD 15E60	SP000013915	P-TO252-3-1	600	15	1.45	175
▼ IDD 15E60	SP000077587	PG-TO252-3-1	600	15	1.45	175
IDD 23E60	SP000013916	P-TO252-3-1	600	23	1.45	175
▼ IDD 23E60	SP000077588	P-TO252-3-1	600	23	1.45	175
IDP 06E60	SP000014040	P-TO220-2-2	600	6	1.45	175
IDP 09E60	SP000014043	P-TO220-2-2	600	9	1.45	175
IDP 15E60	SP000014045	P-TO220-2-2	600	15	1.45	175
IDP 23E60	SP000014047	P-TO220-2-2	600	23	1.45	175
IDP 30E60	SP000014048	P-TO220-2-2	600	30	1.45	175
IDP 45E60	SP000013797	P-TO220-2-2	600	45	1.45	175
▼ IDW 75E60	SP000227824	PG-TO247-3-1	600	75	1.45	175
▼ IDW 100E60	SP000227825	PG-TO247-3-1	600	100	1.45	175

EmCon™ Diodes

1200 V

IDB 04E120	SP000013639	P-TO220-3-45	1200	4	1.65	150
IDB 09E120	SP000013918	P-TO220-3-45	1200	9	1.65	150
IDB 12E120	SP000013640	P-TO220-3-45	1200	12	1.65	150
IDB 18E120	SP000013919	P-TO220-3-45	1200	18	1.65	150
IDB 30E120	SP000013641	P-TO220-3-45	1200	30	1.65	150
IDP 04E120	SP000013798	P-TO220-2-2	1200	4	1.65	150
IDP 09E120	SP000014041	P-TO220-2-2	1200	9	1.65	150
IDP 12E120	SP000013799	P-TO220-2-2	1200	12	1.65	150
IDP 18E120	SP000014042	P-TO220-2-2	1200	18	1.65	150
IDP 30E120	SP000013800	P-TO220-2-2	1200	30	1.65	150

3

SMD = Surface Mounted Device

Power Semiconductors

Type	Ordering Code	Package	Data		
			V_{RR}	I_{FR}	t
			V	A	ns

Power Diodes

Fast-Recovery Epitaxial Diodes (FRED)

▼ BVP 303	SP000011384	P-TO218-2-1	1200	60	150
-----------	-------------	-------------	------	----	-----

Type	Ordering Code	Package	Data		
			V_{RRm}	I_F	Q_C
			V	A	ns

Silicon Carbide Ultrafast Schottky Diodes thinQ!TM 300 V

SDB 20S30	SP000013514	P-TO220-3-45	300	2 x 10	23
SDP 10S30	SP000013359	P-TO220-3-1	300	10	23
SDP 20S30	SP000013625	P-TO220-3-1	300	2 x 10	23
SDT 10S30	SP000013824	P-TO220-2-2	300	10	23

Silicon Carbide Ultrafast Schottky Diodes thinQ!TM 600 V

SDB 06S60	SP000013624	P-TO220-3-45	600	6	21
SDD 04S60	SP000013515	P-TO252-3-1	600	4	13
▼ SDD 04S60	SP000077602	PG-TO252-3-1	600	4	13
SDP 04S60	SP000013358	P-TO220-3-1	600	4	13
SDP 06S60	SP000013357	P-TO220-3-1	600	6	21
SDT 04S60	SP000013822	P-TO220-2-2	600	4	13
SDT 05S60	SP000014671	P-TO220-2-2	600	5	14
SDT 06S60	SP000013823	P-TO220-2-2	600	6	21
SDT 08S60	SP000014897	P-TO220-2-2	600	8	24
SDT 10S60	SP000014896	P-TO220-2-2	600	10	29
SDT 12S60	SP000013825	P-TO220-2-2	600	12	30

Silicon Carbide Ultrafast Schottky Diodes thinQ!TM 2nd Generation 600 V

▼ IDD 04S60C	SP000080224	PG-TO252-3-1	600	4	8
▼ IDT 04S60C	SP000080225	P-TO220-3-1	600	4	8
▼ IDT 05S60C	SP000096441	P-TO220-3-1	600	5	12
▼ IDT 06S60C	SP000096442	P-TO220-3-1	600	6	15
▼ IDT 08S60C	SP000080226	P-TO220-3-1	600	8	19
▼ IDT 10S60C	SP000096443	P-TO220-3-1	600	2 x 5	24
▼ IDT 12S60C	SP000096444	P-TO220-3-1	600	2 x 6	30
▼ IDT 16S60C	SP000080227	P-TO220-3-1	600	2 x 8	38

3

SMD = Surface Mounted Device

Power Semiconductors

Type	Ordering Code	Package	Data		
			V_{DS} V	$I_{L-ISO-Norm}$ A	$R_{DS(on)}$ mΩ

Smart Low Side Switches

TEMPFET® N-Channel Enhancement Types

BTS 110	SP000011184	P-TO220-3-1	100	1.75	200
▼ BTS 110 E-3045A	SP000011183	P-TO220-3-45	100	1.75	200
BTS 112A	SP000011185	P-TO220-3-1	60	2.5	150
▼ BTS 112A E-3045A	SP000011186	P-TO220-3-45	60	2.5	150
BTS 114A	SP000011191	P-TO220-3-1	50	3.8	100
▼ BTS 114A E-3045A	SP000011192	P-TO220-3-45	50	3.8	100
BTS 129	SP000011202	P-TO220-3-1	60	7.5	50
▼ BTS 129 E-3045A	SP000011203	P-TO220-3-45	60	7.5	50
BTS 240A	SP000011223	P-TO218-3-1	50	21	50

N-Channel Enhancement Types (Logic Level)

BTS 113A	SP000011187	P-TO220-3-1	60	2.2	170
BTS 113A E-3045A	SP000011188	P-TO220-3-45	60	2.2	170
▼ BTS 113A E-3064	SP000011189	P-TO220-3-64	60	2.2	170
BTS 115A	SP000011193	P-TO220-3-1	50	3.2	120
▼ BTS 115A E-3045A	SP000011194	P-TO220-3-45	50	3.2	120
BTS 121A	SP000011200	P-TO220-3-1	100	3.5	100
BTS 121A E-3045A	SP000011201	P-TO220-3-45	100	3.5	100
BTS 131	SP000011204	P-TO220-3-1	50	6.5	60
BTS 131 E-3045A	SP000011206	P-TO220-3-45	50	6.5	60
▼ BTS 132 E-3045A	SP000011210	P-TO220-3-45	60	6.0	65
▼ BTS 132 E-3064	SP000011209	P-TO220-3-64	60	6.0	65
▼ BTS 132 E-3129	SP000011208	P-TO220-3-129	60	6.0	65

SPEED TEMPFET® N-Channel Enhancement Types

BTS 244Z	SP000012177	P-TO220-5-3	55	19	18
▼ BTS 244Z E-3043	SP000012178	P-TO220-5-43	55	19	18
BTS 244Z E-3062A	SP000012180	P-TO220-5-62	55	19	18
BTS 247Z	SP000012184	P-TO220-5-3	55	26	13
▼ BTS 247Z E-3043	SP000012185	P-TO220-5-43	55	26	13
BTS 247Z E-3062A	SP000012187	P-TO220-5-62	55	26	13
BTS 282Z	SP000012356	P-TO220-7-3	49	36	6.5
BTS 282Z E-3180A	SP000012360	P-TO220-7-180	49	36	6.5
▼ BTS 282Z E-3230	SP000012357	P-TO220-7-230	49	36	6.5

3

SMD = Surface Mounted Device

Power Semiconductors

Type	Ordering Code	Package	Data		
			V_{DS} V	$I_{L-ISO-Norm}$ A	$R_{DS(on)}$ mΩ

Smart Low Side Switches

HITFET®

BSP 75N	SP000013690	SOT223	> 60	0.7	550
▼ BSP 75N E-6327	SP000013689	SOT223	> 60	0.7	550
BSP 76 E-6327	SP000011146	SOT223	> 42	1.4	200
BSP 77 E-6327	SP000011150	SOT223	> 42	2.17	100
BSP 78 E-6327	SP000011155	SOT223	> 42	3.0	50
BTS 117	SP000011195	P-TO220-3-1	> 60	3.5	100
▼ BTS 117 E-3044A	SP000011198	P-TO220-3-44	> 60	3.5	100
BTS 117 E-3045A	SP000011197	P-TO220-3-45	> 60	3.5	100
BTS 118D	SP000011199	P-TO252-3-11	> 42	2.4	100
BTS 133	SP000011211	P-TO220-3-1	> 60	7	50
BTS 133 E-3045A	SP000011213	P-TO220-3-45	> 60	7	50
BTS 133 E-3064	SP000011212	P-TO220-3-45	> 60	7	50
BTS 134D	SP000011216	P-TO252-3-1	> 42	3.5	50
BTS 141	SP000011218	P-TO220-3-1	> 60	12	28
BTS 141 E-3045A	SP000011219	P-TO220-3-45	> 60	12	28
▼ BTS 141 E-3064	SP000011220	P-TO220-3-64	> 60	12	28
BTS 142D	SP000012175	P-TO252-3-1	> 42	4.6	28
BTS 3110N	SP000013948	SOT223	> 42	1.4	200
BTS 3118D	SP000013725	P-TO252--3-1	> 42	2.4	100
▼ BTS 3118N	SP000013724	SOT223	> 42	2.4	100
BTS 3134D	SP000013759	P-TO252-3-1	> 42	3.5	50
BTS 3134N	SP000013758	SOT223	> 42	3.5	50
BTS 3142D	SP000013760	P-TO252-3-1	> 42	4.6	28
BTS 3207N	SP000054875	SOT223	> 42	0.64	500
BTS 3408G (Dual)	SP000014072	P-DSO-8-3	> 60	1.0	2 x 550
▼ BTS 3410G (Dual)	SP000014334	P-DSO-8-3	> 42	1.3	2 x 200

3

SMD = Surface Mounted Device

Power Semiconductors

Type	Ordering Code	Package	Description
Smart Low Side Switches			
Multichannel HITFET®			
TLE 4226G	SP000011756	P-DSO-24-3	6-fold low-side switch, 2 × 0.5 A, 4 × 50 mA
TLE 6214L	SP000014123	P-DSO-12-2	Dual current sense switch with SPI, 2 × 5 A
TLE 6215G	SP000013649	P-DSO-24-3	Two channel low-side switch, 2 × 4 A
TLE 6216G	SP000013652	P-DSO-20-12	Quad channel low-side switch, 2 × 5 A, 2 × 3 A
TLE 6217G	SP000013947	P-DSO-20-12	
TLE 6220GP	SP000011903	P-DSO-20-10	Quad channel low-side switch, 4 × 3 A
TLE 6225G	SP000012168	P-DSO-20-6	Quad channel low-side switch, 4 × 0.5 A
TLE 6228GP	SP000012154	P-DSO-20-10	Quad channel low-side switch, 2 × 5 A, 2 × 3 A
TLE 6230GP	SP000012169	P-DSO-36-10	Octal low-side switch, 8 × 1 A
TLE 6232GP	SP000012541	P-DSO-36-12	Six channel low-side switch, 4 × 3 A, 2 × 1.5 A
TLE 6236G	SP000012767	P-DSO-28-1	Octal channel low-side switch with SPI, 8 × 0.5 A
TLE 6237G	SP000014095	P-DSO-28-1	Octal channel low-side switch with SPI, 8 × 0.5 A
TLE 6240GP	SP000012171	P-DSO-36-10	16-fold low-side switch, 8 × 1 A, 8 × 3 A
TLE 6244X	SP000013785	P-MQFP-64-10	18-channel low-side switch with SPI, 2 × 3.0 A, 12 × 2.2 A, 4 × 1.1 A
TLE 6288R	SP000013727	P-DSO-36-10	6-channel low-side switch with SPI, 3-channel high side with adjustable P&H current control, 3-channel high/low side configurable
▼ TLE 7230G	SP000067169	P-DSO-24-3	SPI driver for enhanced relay control (SPIDER) 8-channel low side switch, tape & reel
▼ TLE 7230R	SP000067170	P-DSO-36-16	Smart octal low side switch, power, with SPI, tape & reel
▼ TLE 7232G	SP000089034	P-DSO-24-3	SPI driver for enhanced relay control (SPIDER) 8-channel low side switch, tape & reel

3

SMD = Surface Mounted Device

Power Semiconductors

Type	Ordering Code	Package	Data		
			V_{DS} V	$I_{L-ISO-Norm}$ A	$R_{DS(on)}$ mΩ

Smart High Side Switches

PROFET® (for automotive applications)

BTS 307 E-3043	SP000011224	P-TO220-5-43	> 65	1.7	250
BTS 307 E-3062A	SP000011225	P-TO220-5-62	> 65	1.7	250
▼ BTS 308 E-3043	SP000011226	P-TO220-5-43	> 60	1.7	250
BTS 308 E-3062A	SP000011227	P-TO220-5-62	> 60	1.3	300
BTS 409L1	SP000011229	P-TO220-5-3	> 40	3.5	100
BTS 409L1 E-3043	SP000011230	P-TO220-5-43	> 40	2.3	200
▼ BTS 409L1 E-3062A	SP000011232	P-TO220-5-62	> 40	2.3	200
BTS 410E2	SP000011233	P-TO220-5-3	> 60	1.8	220
BTS 410E2 E-3043	SP000011234	P-TO220-5-43	> 60	1.8	220
BTS 410E2 E-3062A	SP000011235	P-TO220-5-62	> 60	1.8	220
BTS 410F2	SP000011236	P-TO220-5-3	> 60	1.8	220
BTS 410F2 E-3043	SP000011237	P-TO220-5-43	> 60	1.8	220
BTS 410F2 E-3062A	SP000016371	P-TO220-5-62	> 60	1.8	220
BTS 426L1	SP000011242	P-TO220-5-3	> 40	5.9	60
BTS 426L1 E-3043	SP000011243	P-TO220-5-43	> 40	5.9	60
BTS 426L1 E-3062A	SP000011244	P-TO220-5-62	> 40	5.9	60
BTS 428L2	SP000012188	P-TO252-3-1	> 40	7.0	60
BTS 432E2	SP000011248	P-TO220-5-3	> 60	11	38
BTS 432E2 E-3043	SP000011250	P-TO220-5-43	> 60	11	38
BTS 432E2 E-3062A	SP000011253	P-TO220-5-62	> 60	11	38
BTS 436L2	SP000011255	P-TO220-5-11	> 40	9.8	38
BTS 436L2G	SP000011257	P-TO263-5-2	> 40	9.8	38
BTS 436L2S	SP000011256	P-TO220-5-12	> 40	9.8	38
BTS 441RG	SP000013386	P-TO263-5-2	> 41	21	20
BTS 441RS	SP000013384	P-TO220-5-12	> 41	21	20
BTS 441T	SP000011258	P-TO220-5-11	> 40	21	20
BTS 441TG	SP000012295	P-TO263-5-2	> 40	21	20
BTS 441TS	SP000011259	P-TO220-5-12	> 40	21	20
BTS 442E2	SP000011260	P-TO220-5-3	> 60	21	20
BTS 442E2 E-3043	SP000011261	P-TO220-5-43	> 60	21	20
BTS 442E2 E-3062A	SP000011263	P-TO220-5-62	> 60	21	20
BTS 640S2	SP000011283	P-TO220-7-11	> 40	12.6	30
BTS 640S2G	SP000011284	P-TO263-7-2	> 40	12.6	30
BTS 640S2S	SP000011285	P-TO220-7-12	> 40	12.6	30
BTS 650P	SP000011287	P-TO220-7-3	> 42	60	6.6
BTS 650P E-3180A	SP000011289	P-TO220-7-180	> 42	60	6.6
▼ BTS 650P E-3230	SP000011292	P-TO220-7-230	> 42	60	6.6

PROFET® (for industrial applications)

▼ ITS 410E2	SP000221219	P-TO220-5-3	> 60	1.8	220
▼ ITS 410E2 E-3043	SP000221227	P-TO220-5-43	> 60	1.8	220
▼ ITS 428L2	SP000221220	P-TO252-3-1	> 40	7.0	60
▼ ITS 436L2	SP000221231	P-TO220-5-11	> 40	9.8	38
▼ ITS 436L2S	SP000221232	P-TO220-5-12	> 40	9.8	38
▼ ITS 640S2	SP000221217	P-TO220-7-11	> 40	12.6	30
▼ ITS 640S2S	SP000221225	P-TO220-7-12	> 40	12.6	30

SMD = Surface Mounted Device



Power Semiconductors

Type	Ordering Code	Package	Data		
			V_{DS}	$I_{L-ISO-Norm}$	$R_{DS(on)}$
			V	A	mΩ

Smart High Side Switches

High Current PROFET®

BTS 443P	SP000012530	P-TO252-5-1	> 36	25	16
BTS 550P E-3146	SP000011264	P-TO218-5-146	> 40	115	3.6
▼ BTS 555	SP000011266	P-TO218-5-3	> 40	165	2.5
BTS 555 E-3146	SP000011265	P-TO218-5-146	> 40	165	2.5
BTS 660P	SP000012535	P-TO220-7-3	> 62	44	9.0
BTS 660P E-3180A	SP000012536	P-TO220-7-180	> 62	44	9.0
▼ BTS 6123B	SP000092062	P-TO220-7-180	> 38	9	10
▼ BTS 6123P	SP000092063	P-TO220-7-230	> 38	33	10
BTS 6133D	SP000014006	P-TO252-5-1	> 38	33	10
▼ BTS 6142D	SP000074866	P-TO252-5-1	> 38	27	12
BTS 6143D	SP000013143	P-TO252-5-1	> 38	33	10
BTS 6144B	SP000014073	P-TO220-7-180	> 38	37.5	9
BTS 6144P	SP000013171	P-TO220-7-230	> 38	37.5	9
BTS 6163D	SP000013196	P-TO252-5-1	> 62	17	20
BTS 6510B	SP000012532	P-TO220-7-180	> 42	70	6.0

3

Type	Ordering Code	Package	Data			
			$V_{bb op}$	$I_{L-ISO-Norm}$	R_{ON}	$I_{L(lin) min}$
			V	mA	Ω	mA

Mini PROFET® (for automotive applications)

BSP 452 E-6327	SP000011123	SOT223	5 ... 34	> 700	0.2	700
BSP 742R	SP000012105	P-DSO-8-6	5 ... 34	> 400	0.35	400
BSP 742RI	SP000012106	P-DSO-8-6	5 ... 34	> 400	0.35	400
BSP 742T	SP000011136	P-DSO-8-6	5 ... 34	1100	0.4	300
BSP 752R	SP000012796	P-DSO-8-6	6 ... 52	1700	0.2	600
BSP 752T	SP000012797	P-DSO-8-6	6 ... 52	1700	0.2	600
BSP 762T	SP000011148	P-DSO-8-6	5 ... 34	2400	0.1	700
BSP 772T	SP000011152	P-DSO-8-6	5 ... 34	3100	0.06	1200
BTS 452R	SP000012791	P-TO252-5-1	6 ... 52	2200	0.20	600
BTS 452T	SP000012792	P-TO252-5-1	6 ... 52	2200	0.20	600
BTS 462T	SP000012191	P-TO252-5-1	5 ... 34	4400	0.10	1000
BTS 4140N	SP000013791	SOT223	4.9 ... 60	> 200	1	700
BTS 4141D	SP000013944	P-TO252-5-1	12 ... 45	> 700	0.2	1400
BTS 4141N	SP000013942	SOT223	12 ... 45	> 700	0.2	1400
BTS 4142N	SP000013945	SOT223	12 ... 45	>1400	0.2	3000
BTS 4880R	SP000013302	P-DSO-36-12	11 ... 45	>1400	0.2	1100

Mini PROFET® (for industrial applications)

▼ ISP 452	SP000219823	SOT223	5 ... 34	> 700	0.2	700
▼ ISP 742RI	SP000221229	PG-DSO-8-6	5 ... 34	> 400	0.35	400
▼ ISP 752R	SP000219825	PG-DSO-8-6	6 ... 52	1700	0.2	600
▼ ISP 762T	SP000221228	PG-DSO-8-6	5 ... 34	2400	0.1	700
▼ ISP 772T	SP000219824	PG-DSO-8-6	5 ... 34	3100	0.06	1200

SMD = Surface Mounted Device

Type	Ordering Code	Package	Data			
			$V_{bb\ op}$	$I_{L-ISO-Norm}$	R_{ON}	$I_{L\ (lin)\ min}$
			V	mA	Ω	mA

Smart High Side Switches

Mini PROFET® (for industrial applications)
(cont'd)

▼ ITS 4141D	SP000221235	P-TO252-5-1	12 ... 45	> 700	0.2	1400
▼ ITS 4141N	SP000219536	SOT223	12 ... 45	> 700	0.2	1400
▼ ITS 4142N	SP000221218	SOT223	12 ... 45	>1400	0.2	3000
▼ ITS 4880R	SP000219527	PG-DSO-36-12	11 ... 45	>1400	0.2	1100

Type	Ordering Code	Package	Data			
			$V_{bb\ (AZ)}$	R_{ON}	$I_{L-ISO-Norm}$	$I_{L-MOS-Norm}$
			V	m Ω	A	A

Dimmer PROFET®

BTS 730	SP000011308	P-DSO-20-9	> 40	65	3.0	20
---------	-------------	------------	------	----	-----	----

Type	Ordering Code	Package	Data		
			$V_{bb\ (AZ)}$	$I_{L-ISO-Norm}$	R_{ON}
			V	A	m Ω

Two Channel PROFET® (for automotive applications)

BTS 5210G	SP000013631	P-DSO-14-9	> 40	3.9	2 × 70
BTS 5210L	SP000013735	P-DSO-12-2	> 40	3.9	2 × 70
BTS 5215L	SP000013737	P-DSO-12-2	> 40	7.4	2 × 45
▼ BTS 5230GS	SP000082241	P-DSO-14-18	> 28	2.1	2 × 140
▼ BTS 5231GS	SP000203741	P-DSO-14-18	> 28	1.8	2 × 140
BTS 5234G	SP000014727	P-DSO-20-9	> 40	3.3	2 × 60
BTS 5234L	SP000014704	P-DSO-12-2	> 40	3.5	2 × 60
BTS 5240G	SP000014567	P-DSO-20-9	> 40	5.9	2 × 25
BTS 5240L	SP000014002	P-DSO-12-2	> 40	6.0	2 × 25
BTS 5241G	SP000014738	P-DSO-20-9	> 40	5.9	2 × 25
BTS 5241L	SP000014643	P-DSO-12-2	> 40	6.0	2 × 25
BTS 611L1	SP000011269	P-TO220-7-3	> 40	2.3	2 × 200
BTS 611L1 E-3128A	SP000011271	P-TO220-7-128	> 40	2.3	2 × 200
▼ BTS 611L1 E-3230	SP000011270	P-TO220-7-230	> 40	2.3	2 × 200
BTS 612N1 E-3128A	SP000011274	P-TO220-7-128	> 40	2.3	2 × 200
BTS 612N1 E-3230	SP000011275	P-TO220-7-230	> 40	2.3	2 × 200
BTS 621L1	SP000011277	P-TO220-7-3	> 40	4.4	2 × 100
BTS 621L1 E-3128A	SP000011281	P-TO220-7-128	> 40	4.4	2 × 100
BTS 621L1 E-3230	SP000011278	P-TO220-7-230	> 40	4.4	2 × 100
BTS 707	SP000011296	P-DSO-20-9	> 65	2.8	2 × 250
BTS 723GW	SP000013173	P-DSO-14-9	> 62	4.2	2 × 50
BTS 726L1	SP000011305	P-DSO-20-9	> 40	4.0	2 × 60
BTS 728L2	SP000011307	P-DSO-20-9	> 40	4.0	2 × 60

SMD = Surface Mounted Device

3

Power Semiconductors

Type	Ordering Code	Package	Data		
			V_{bb} (AZ) V	$I_{L-ISO-Norm}$ A	R_{ON} mΩ

Smart High Side Switches

Two Channel PROFET® (for automotive applications) (cont'd)

BTS 736L2	SP000011310	P-DSO-20-9	> 40	4.8	2 × 40
BTS 840S2	SP000011324	P-DSO-20-9	> 40	12.6	2 × 30

Two Channel PROFET® (for industrial applications)

▼ ITS 612N1	SP000221233	P-TO220-7-3	> 40	2.3	2 × 200
▼ ITS 612N1 E-3230	SP000221234	P-TO220-7-230	> 40	2.3	2 × 200
▼ ITS 621L1	SP000219533	PG-TO220-7-3	> 40	2.3	2 × 200
▼ ITS 621L1 E-3230	SP000221224	P-TO220-7-230	> 40	2.3	2 × 200
▼ ITS 5215L	SP000219826	PG-DSO-12-2	> 40	7.4	2 × 45

Four Channel PROFET® (for automotive applications)

BTS 711L1	SP000011298	P-DSO-20-9	> 34	1.9	4 × 200
BTS 712N1	SP000011300	P-DSO-20-9	> 40	1.9	4 × 210
BTS 716G	SP000013190	P-DSO-20-9	> 40	2.6	4 × 140
BTS 716GB	SP000014327	P-DSO-20-9	> 40	2.6	4 × 140
BTS 721L1	SP000011301	P-DSO-20-9	> 40	2.9	4 × 100
BTS 724G	SP000013193	P-DSO-20-9	> 40	7.3	4 × 22.5
BTS 737S3	SP000014328	P-DSO-28-16	> 40	5.4	4 × 35
BTS 5434G	SP000014710	P-DSO-28-16	> 40	3.4	4 × 60
BTS 5440G	SP000014185	P-DSO-28-16	> 40	6.2	4 × 25
BTS 5441G	SP000014644	P-DSO-28-16	> 40	5.6	4 × 25
BTS 824R	SP000013628	P-DSO-20-10	> 40	17.0	4 × 90

Four Channel PROFET® (for industrial applications)

▼ ITS 711L1	SP000219532	PG-DSO-20-9	> 34	1.9	4 × 200
▼ ITS 716G	SP000219534	PG-DSO-20-9	> 40	2.6	4 × 140
▼ ITS 724G	SP000219835	PG-DSO-20-9	> 40	7.3	4 × 22.5

3

SMD = Surface Mounted Device

Power Semiconductors

Type	Ordering Code	Package	Description
Smart Power Bridges			
Stepper Motor Drivers			
TCA 3727	SP000011713	P-DIP-20-3	Stepper motor driver, 2-phase motor, 2 × 1 A / 50 V
TCA 3727G	SP000011714	P-DSO-24-3	
TLE 4726G	SP000011863	P-DSO-24-3	Stepper motor driver, 2-phase motor, 2 × 1 A / 45 V
TLE 4727	SP000011864	P-DIP-20-3	
TLE 4728G	SP000011865	P-DSO-24-3	Stepper motor driver, 2-phase with low quiescent current, 2 × 1 A / 45 V
TLE 4729G	SP000011867	P-DSO-24-3	
DC Motor Bridges			
BTS 7700G	SP000012368	P-DSO-28-16	TrilithIC™, bridge or quad driver, 8 A, status, tape & reel
BTS 7710G	SP000012774	P-DSO-28-16	TrilithIC™, bridge or quad driver, 12 A, status, tape & reel
BTS 7710GP	SP000012778	P-TO263-15-1	TrilithIC™, bridge or quad driver, 12 A, status, PowerPak, tape & reel
BTS 7740G	SP000012371	P-DSO-28-16	TrilithIC™, bridge or quad driver, 8 A, status, short circuit protection; tape & reel
BTS 7741G	SP000013912	P-DSO-28-16	TrilithIC™, bridge or quad driver, 8 A, status, short circuit protection; tape & reel
BTS 7750G	SP000012779	P-DSO-28-16	TrilithIC™, bridge or quad driver, 12 A, status, short circuit protection, tape & reel
BTS 7750GP	SP000012780	P-TO263-15-1	TrilithIC™, bridge or quad driver, 12 A, status, PowerPak, tape & reel
BTS 7751G	SP000014077	P-DSO-28-16	TrilithIC™, bridge or quad driver, 12 A, status, short circuit protection, tape & reel
BTS 7810K	SP000014521	P-TO263-15-1	TrilithIC™, bridge or quad driver, 42 A, status, PowerPak, tape & reel
▼ BTS 7930B	SP000065799	P-TO263-7-6	28 mΩ NovalithIC™, high current PN half bridge driver, 18 A, status, tape & reel
▼ BTS 7960B	SP000014711	P-TO263-7-6	16 mΩ NovalithIC™, high current PN half bridge driver, 43 A, status, tape & reel
▼ BTS 7960P	SP000053907	P-TO220-7-1	16 mΩ NovalithIC™, high current PN half bridge driver, 43 A, status, tube
TLE 4205	SP000011746	P-DIP-18-3	Power bridges for DC-motor control, 1 A / 32 V, tube
TLE 4205G	SP000011747	P-DSO-20-6	Power bridges for DC-motor control, 1 A / 32 V, tape & reel
TLE 4206G	SP000011748	P-DSO-14-4	DC-motor driver for servo driver 1 A / 18 V, tape & reel
TLE 4207G	SP000011750	P-DSO-14-4	Dual half bridge driver, 2 × 1 A / 18 V, tape & reel
TLE 4208G	SP000012143	P-DSO-28-6	Quad half bridge driver, 2 × 1 A / 18 V, tape & reel
TLE 4209A	SP000012194	P-DIP-8-4	DC-motor driver for servo driver 1 A / 18 V, tube
TLE 5205-2	SP000011886	P-TO220-7-11	Power bridges for DC-motor control, 5 A / 40 V, tube
TLE 5205-2S	SP000011887	P-TO220-7-12	
TLE 5205-2G	SP000011890	P-TO263-7-1	Power bridges for DC-motor control, 5 A / 40 V, tape & reel
TLE 5205-2GP	SP000011891	P-DSO-20-12	
TLE 5206-2	SP000011892	P-TO220-7-11	Power bridges for DC-motor control, 5 A / 40 V, tube
TLE 5206-2S	SP000011893	P-TO220-7-22	
TLE 5206-2G	SP000011894	P-TO263-7-1	Power bridges for DC-motor control, 5 A / 40 V, tape & reel
TLE 5206-2GP	SP000011895	P-DSO-20-12	
TLE 6208-3G	SP000012148	P-DSO-14-4	Triple half-bridge driver, 3 × 0.8 A / 32 V, tape & reel
TLE 6208-6G	SP000012975	P-DSO-28-6	Hex half-bridge driver / double six driver, tape & reel
TLE 6209R	SP000013299	P-DSO-20-12	Hex half-bridge driver for throttle control, 7 A, tape & reel

3

SMD = Surface Mounted Device

Power Semiconductors

Type	Ordering Code	Package	Description
Smart Power Bridges			
DC Motor Bridges (cont'd)			
TLE 6281G	SP000107818	P-DSO-20-10	Half-bridge driver IC for external MOSFETs for very high currents, tape reel
TLE 6282G	SP000081973	P-DSO-20-10	Dual half-bridge driver IC for 4 external MOSFETs for very high currents, tape reel
▼ TLE 6284G	SP000083033	P-DSO-20-10	Half-bridge gate driver IC for 4 MOSFETs, short circuit protection level adjustable, tape reel
TLE 6287GP	SP000014090	P-DSO-36-10	3-phase driver IC for 6 MOSFETs in bridge configuration, tape & reel
TLE 6289GP	SP000014724	P-DSO-36-10	
TLE 7209-2R	SP000014748	P-DSO-20-12	Half-bridge driver for throttle control, 7 A, with SPI and status flag mode, tape & reel
IGBT Gate Driver ICs (EiceDRIVER™)			
▼ 2ED020I12F	SP000014669	P-DSO-18-1	Half-bridge IGBT driver IC, gate drive currents of +1A/-2A (EiceDRIVER™)
▼ 2ED020I12F	SP000107512	PG-DSO-18-1	Half-bridge IGBT driver IC (1200V), gate drive currents of +1A/-2A (EiceDRIVER™)

3

SMD = Surface Mounted Device

Power Semiconductors

Type	Ordering Code	Package	Description
Voltage Regulators			
Automotive Linear			
Adj. 1.5 V, 2.6 V, 3.0 V and 3.3 V Standard Regulators			
TLE 4295G V26	SP000012503	SCT595	2.6 V, $I_{out} = 30$ mA, Reset, Power fail, tape & reel
TLE 4295G V30	SP000012502	SCT595	3 V, $I_{out} = 30$ mA, Reset, Power fail, tape & reel
TLE 4295G V33	SP000012501	SCT595	3.3 V, $I_{out} = 30$ mA, Reset, Power fail, tape & reel
TLE 4296G V30	SP000012764	SCT595	3 V, $I_{out} = 30$ mA, Inhibit, tape & reel
TLE 4296G V33	SP000012765	SCT595	3.3 V, $I_{out} = 30$ mA, Inhibit, tape & reel
TLE 4296-2G V33	SP000014332	SCT595	3.3 V, $I_{out} = 30$ mA, Inhibit, reduced quiescent current, tape & reel
TLE 4274D V33	SP000011803	P-TO252-3-1	3.3 V, $I_{out} = 400$ mA, tape & reel
TLE 4274GS V25	SP000011807	SOT223	2.5 V, $I_{out} = 400$ mA, tape & reel
TLE 4274GS V33	SP000011806	SOT223	3.3 V, $I_{out} = 400$ mA, tape & reel
TLE 4276DV	SP000012197	P-TO252-5-1	adjustable voltage, $I_{out} = 400$ mA, Inhibit, tape & reel
TLE 4276GV	SP000011824	P-TO220-5-122	adjustable voltage, $I_{out} = 400$ mA, Inhibit, tape & reel
TLE 4276SV	SP000011831	P-TO220-5-43	adjustable voltage, $I_{out} = 400$ mA, Inhibit, tube
TLE 4276V	SP000011835	P-TO220-5-3	adjustable voltage, $I_{out} = 400$ mA, Inhibit, tube
TLE 4284DV	SP000014339	P-TO252-3-11	adjustable voltage, $I_{out} = 1$ A, short circuit protected, overtemperature protected, tape & reel
▼ TLE 4284D V15	SP000089571	P-TO252-3-1	1.5 V, $I_{out} = 1$ A, short circuit protected, overtemperature protected, tape & reel
▼ TLE 4284D V18	SP000063690	P-TO252-3-1	1.8 V, $I_{out} = 1$ A, short circuit protected, overtemperature protected, tape & reel
▼ TLE 4284D V26	SP000054076	P-TO252-3-1	2.6 V, $I_{out} = 1$ A, short circuit protected, overtemperature protected, tape & reel
TLE 4284D V33	SP000014340	P-TO252-3-1	3.3 V, $I_{out} = 1$ A, short circuit protected, overtemperature protected, tape & reel

3

5 V Standard Regulators (≤ 200 mA output current)

TLE 4285G	SP000011850	SCT595	5 V, $I_{out} = 15$ mA, Power fail, tape & reel
TLE 4286G	SP000011851	SCT595	5 V, $I_{out} = 15$ mA, Inhibit, tape & reel
TLE 4295G V50	SP000012500	SCT595	5 V, $I_{out} = 30$ mA, Reset, Power fail, tape & reel
TLE 4296G V50	SP000012766	SCT595	5 V, $I_{out} = 30$ mA, Inhibit, tape & reel
TLE 4296-2G V50	SP000014333	SCT595	5 V, $I_{out} = 30$ mA, Inhibit, reduced quiescent current, tape & reel
TLE 4264G	SP000011765	SOT223	5 V, $I_{out} = 150$ mA, tape & reel
TLE 4266G	SP000011768	SOT223	5 V, $I_{out} = 150$ mA, Inhibit, tape & reel
TLE 4269G	SP000011784	P-DSO-8-3	
TLE 4269GL	SP000011789	P-DSO-20-17	5 V, $I_{out} = 150$ mA, Reset, early warning, tape & reel
TLE 4269GM	SP000011790	P-DSO-14-8	
TLE 4279G	SP000011840	P-DSO-8-3	5 V, $I_{out} = 150$ mA, Reset, early warning, tape & reel
▼ TLE 4279GM	SP000011845	P-DSO-14-8	
TLE 4278G	SP000011838	P-DSO-14-8	5 V, $I_{out} = 160$ mA, Reset, Watchdog, tape & reel
TLE 4262G	SP000011760	P-DSO-20-6	
TLE 4262GM	SP000012365	P-DSO-14-8	5 V, $I_{out} = 200$ mA, Reset, Inhibit, tape & reel
TLE 4263G	SP000011762	P-DSO-20-6	
TLE 4263GM	SP000012367	P-DSO-14-4	5 V, $I_{out} = 200$ mA, Reset, Inhibit, Watchdog, tape & reel
TLE 4263GS	SP000014278	P-DSO-8-3	
TLE 4268G	SP000011777	P-DSO-20-17	
TLE 4268GS	SP000011781	P-DSO-8-3	5 V, $I_{out} = 180$ mA, Reset, Watchdog, tape & reel

SMD = Surface Mounted Device

Power Semiconductors

Type	Ordering Code	Package	Description
Voltage Regulators			
Automotive Linear			
5 V Standard Regulators (> 200 mA output current)			
TLE 4287G	SP000011854	P-DSO-14-8	5 V, $I_{out} = 250$ mA, Reset, Inhibit, tape & reel
▼ TLE 4267G	SP000011774	P-TO220-7-4	5 V, $I_{out} = 400$ mA, Reset, Inhibit, tape & reel
TLE 4267GM	SP000012506	P-DSO-14-8	
TLE 4267	SP000012167	P-TO220-7-3	5 V, $I_{out} = 400$ mA, Reset, Inhibit, tube
TLE 4267S	SP000011771	P-TO220-7-230	
TLE 4274 V50	SP000011809	P-TO220-3-1	5 V, $I_{out} = 400$ mA, tube
▼ TLE 4274D V50	SP000011801	P-TO252-3-11	5 V, $I_{out} = 400$ mA, tape & reel
▼ TLE 4274GV	SP000089303	P-TO263-3-1	
TLE 4274G V50	SP000011796	P-TO263-3-1	5 V, $I_{out} = 400$ mA, Inhibit, tape & reel
TLE 4276D V50	SP000012198	P-TO252-5-1	
TLE 4276G V50	SP000011821	P-TO220-5-122	5 V, $I_{out} = 400$ mA, Inhibit, tube
TLE 4276S V50	SP000011829	P-TO220-5-43	5 V, $I_{out} = 400$ mA, Inhibit, tube
TLE 4275	SP000011814	P-TO220-5-11	5 V, $I_{out} = 450$ mA, Reset, tube
TLE 4275S	SP000011815	P-TO220-5-12	
TLE 4275D	SP000012151	P-TO252-5-1	5 V, $I_{out} = 450$ mA, Reset, tape & reel
TLE 4275G	SP000011818	P-TO263-5-1	
TLE 4276 V50	SP000011832	P-TO220-5-3	5 V, $I_{out} = 400$ mA, Inhibit, tube
TLE 4290D	SP000012762	P-TO252-5-1	5 V, $I_{out} = 450$ mA, Power Good, tape & reel
TLE 4290G	SP000012763	P-TO263-5-1	
TLE 4270	SP000011792	P-TO220-5-11	5 V, $I_{out} = 600$ mA, Reset, tube
TLE 4270S	SP000011793	P-TO220-5-12	
TLE 4270D	SP000012195	P-TO252-5-1	5 V, $I_{out} = 600$ mA, Reset, tape & reel
TLE 4270G	SP000011794	P-TO263-5-1	
TLE 4271-2	SP000013201	P-TO220-7-11	5 V, $I_{out} = 600$ mA, Reset, Inhibit, Watchdog, tube
TLE 4271-2S	SP000013202	P-TO220-7-12	
TLE 4271-2G	SP000013203	P-TO263-7-1	5 V, $I_{out} = 600$ mA, Reset, Inhibit, Watchdog, tape & reel
TLE 4284D V50	SP000017633	P-TO252-3-1	5 V, $I_{out} = 1$ A, short circuit protected, overtemperature protected, tape & reel



8.5 V and 10 V Standard Regulators

TLE 4266GS V10	SP000012431	SOT223	10 V, $I_{out} = 120$ mA, Inhibit, tape & reel
TLE 4274G V10	SP000011798	P-TO263-3-1	10 V, $I_{out} = 400$ mA, tape & reel
TLE 4274G V85	SP000011797	P-TO263-3-1	8.5 V, $I_{out} = 400$ mA, tape & reel
TLE 4274 V10	SP000011811	P-TO220-3-1	10 V, $I_{out} = 400$ mA, Inhibit, tube
TLE 4274 V85	SP000011810	P-TO220-3-1	8.5 V, $I_{out} = 400$ mA, tube
TLE 4276G V10	SP000011823	P-TO220-5-122	10 V, $I_{out} = 400$ mA, Inhibit, tape & reel
TLE 4276 V85	SP000011833	P-TO220-5-3	8.5 V, $I_{out} = 400$ mA, Inhibit, tube
TLE 4276S V85	SP000011830	P-TO220-5-43	
TLE 4276 V10	SP000011834	P-TO220-5-3	10 V, $I_{out} = 400$ mA, Inhibit, tube
TLE 4276G V85	SP000011822	P-TO220-5-122	8.5 V, $I_{out} = 400$ mA, Inhibit, tape & reel

2.6 V, 3.0 V and 3.3 V Ultra Low Quiescent Regulators

TLE 4266-2GS V33	SP000013992	SOT223	3.3 V, $I_{out} = 150$ mA, Inhibit, reduced quiescent current, tape & reel
TLE 4299GM V33	SP000056991	P-DSO-14-8	3.3 V, $I_{out} = 150$ mA, Inhibit, early warning, tape & reel
▼ TLE 4299G V33	SP000056992	P-DSO-8-3	
▼ TLE 7273 V26	SP000067153	P-DSO-14-4	2.6 V, $I_{out} = 200$ mA, Reset, Inhibit, Watchdog, tape & reel
▼ TLE 7273 V33	SP000067154	P-DSO-14-4	3.3 V, $I_{out} = 200$ mA, Reset, Inhibit, Watchdog, tape & reel

SMD = Surface Mounted Device

Power Semiconductors

Type	Ordering Code	Package	Description
------	---------------	---------	-------------

Voltage Regulators

Automotive Linear

5 V Ultra Low Quiescent Current Regulators

▼ TLE 4264-2G	SP000013989	SOT223	5 V, $I_{out} = 150$ mA, tape & reel
TLE 4266-2G	SP000013991	SOT223	5 V, $I_{out} = 150$ mA, Inhibit, tape & reel
TLE 4299G	SP000012770	P-DSO-8-3	5 V, $I_{out} = 150$ mA, Reset, early warning, tape & reel
TLE 4299GM	SP000013145	P-DSO-14-8	5 V, $I_{out} = 150$ mA, Reset, Inhibit, early warning, tape & reel
TLE 7270D	SP000014700	P-TO252-5-1	5 V, $I_{out} = 300$ mA, Reset, tape & reel
TLE 7270G	SP000055309	P-TO263-5-1	5 V, $I_{out} = 300$ mA, Reset, Inhibit, tape & reel
TLE 7272D	SP000055847	P-TO252-5-1	5 V, $I_{out} = 300$ mA, Reset, Inhibit, tape & reel
TLE 7272G	SP000055848	P-TO263-5-1	5 V, $I_{out} = 300$ mA, Reset, Inhibit, Watchdog, tape & reel
▼ TLE 7273 V50	SP000067155	P-DSO-14-4	5 V, $I_{out} = 200$ mA, Reset, Inhibit, Watchdog, tape & reel
TLE 7274D	SP000055849	P-TO252-5-1	5 V, $I_{out} = 300$ mA, tape & reel
TLE 7274G	SP000055850	P-TO263-3-1	5 V, $I_{out} = 300$ mA, tape & reel
TLE 7276D	SP000055851	P-TO252-5-1	5 V, $I_{out} = 300$ mA, Inhibit, tape & reel
TLE 7276G	SP000055852	P-TO263-5-1	5 V, $I_{out} = 300$ mA, Inhibit, tape & reel

3

Multiple Regulators

TLE 4470G	SP000011856	P-DSO-20-6	5 V + 5 V, $I_{out} = 180$ mA/350 mA, Reset, early warning, tape & reel
TLE 4470GS	SP000011861	P-DSO-14-4	5 V + adj. voltage, $I_{out} = 180$ mA/350 mA, Reset, early warning, tape & reel
TLE 4471G	SP000013144	P-DSO-20-12	5 V + 5 V + 5 V, 2 tracked outputs 100/50 mA, Reset, Watchdog, tape & reel
TLE 4473G V52	SP000014119	P-DSO-12-6	5 V + 2.6 V, $I_{out} = 180$ mA/300 mA, Watchdog, tape & reel
TLE 4473G V53	SP000014118	P-DSO-12-6	5 V + 3.3 V, $I_{out} = 180$ mA/300 mA, Watchdog, tape & reel
TLE 4473G V55	SP000014117	P-DSO-12-4	5 V + 5 V, $I_{out} = 190$ mA/300 mA, Reset, Inhibit, Watchdog, tape & reel
TLE 4476D	SP000012771	P-TO252-5-1	5 V + 3.3 V, $I_{out} = 350$ mA/430 mA, tape & reel
TLE 7469GV52	SP000014191	P-DSO-12-4	5 V + 2.6 V, $I_{out} = 300$ mA/320 mA, Inhibit, Reset, Watchdog, tape & reel
TLE 7469GV53	SP000017740	P-DSO-12-4	5 V + 3.3 V, $I_{out} = 300$ mA/320 mA, Inhibit, Reset, Watchdog, tape & reel

Voltage Tracker

TLE 4250G	SP000012163	SCT595	adj. voltage, $I_{out} = 50$ mA, Inhibit, tape & reel
TLE 4252D	SP000014642	P-TO252-5-1	adj. voltage, $I_{out} = 250$ mA, Inhibit, tape & reel
TLE 4251D	SP000013042	P-TO252-5-1	adj. voltage, $I_{out} = 400$ mA, Inhibit, tape & reel
TLE 4251G	SP000013761	P-TO263-5-1	adj. voltage, $I_{out} = 400$ mA, Inhibit, tape & reel

LED Driver ICs

TLE 4240G	SP000013618	SCT595	Lowdrop LED driver, 60 mA current output, tape & reel
TLE 4241GM	SP000014624	P-DSO-8-9	Lowdrop LED driver, with adjustable current output, tape & reel
TLE 4242G	SP000014456	P-TO263-7-1	Lowdrop LED driver, with adjustable current output up to 500 mA, tape & reel

SMD = Surface Mounted Device

Power Semiconductors

Type	Ordering Code	Package	Description
Voltage Regulators			
Industrial Linear			
TLE 4305G	SP000011855	P-DSO-8-1	High precision bipolar regulator, breakdown voltage up to 45 V, tape & reel
TLE 4307D V33	SP000012829	P-TO252-5-1	Power charge pump and low drop voltage regulator, 3.3 V, tape & reel
TLE 4307D V38	SP000012828	P-TO252-5-1	Power charge pump and low drop voltage regulator, 3.8 V, tape & reel
TLE 4484G	SP000012507	SOT223	5 / 15 V, Dual regulator, tape & reel
▼ IFX 1117GS	SP000014584	SOT223	5 V adjustable, $I_{out} = 1.0$ A, short circuit protection, tape & reel
▼ IFX 1117GS V33	SP000014585	SOT223	3.3 V, $I_{out} = 1.0$ A, short circuit protection, tape & reel

DC/DC Converter

TLE 6361G	SP000013297	P-DSO-36-12	32-bit μ C power supply, Buck converter, Reset, Watchdog, tape & reel
TLE 6363G	SP000014251	P-DSO-14-2	Multifunctional voltage regulator and watchdog, tape & reel
TLE 6365G	SP000013455	P-DSO-8-3	Step-down voltage regulator with reset, input voltage range 8 V to 40 V, tape & reel
▼ TLE 6368G1	SP000015046	P-DSO-36-12	32-bit μ C power supply, Buck converter, Reset, Watchdog, tape & reel
TLE 6368R	SP000014666	P-DSO-36-12	
TLE 6389GV	SP000013787	P-DSO-14-2	Buck converter with external P-channel MOSFET, adjustable output voltage, tape & reel
TLE 6389G 50	SP000015002	P-DSO-14-2	Buck converter with external P-channel MOSFET, tape & reel
TLE 6389G 50-1	SP000015001	P-DSO-14-2	Buck converter with external P-channel MOSFET, 5 V, tape & reel

3

SMD = Surface Mounted Device

Power Semiconductors

Type	Ordering Code	Package	Description
Transceivers			
System Basis Chips			
TLE 6262G	SP000013837	P-DSO-28-6	System base chip (SBC) CAN-LDO with relay drivers, tape & reel
▼ TLE 6263G	SP000075505	P-DSO-28-6	System base chip (SBC) with fault tolerant CAN-transceiver, 5-V voltage regulator, wake-up inputs, Reset generator, 8-bit SPI, tape & reel
TLE 6285G	SP000065800	P-DSO-16-4	Single wire LIN-transceiver + system regulator + reset generator adjustable reset threshold, tape & reel
TLE 6286G	SP000065801	P-DSO-16-4	Single wire LIN-transceiver + system regulator, tape & reel
Stand-alone Transceivers			
TLE 6250G	SP000012832	P-DSO-8-3	High speed CAN-transceiver according to ISO 11898, tape & reel
▼ TLE 6250PG	SP000055308	PG-DSO-8-3	High speed CAN-transceiver according to ISO 11898, for 3.3 V microcontroller
TLE 6250G V33	SP000013959	P-DSO-8-3	High speed CAN-transceiver according to ISO 11898, for 3.3 V microcontroller
▼ TLE 6251DS	SP000069399	P-DSO-8-3	High speed CAN-transceiver with bus wake-up, compatible to 3.3 V and 5 V logic input levels, tape & reel
TLE 6251G	SP000082094	P-DSO-14-13	High speed CAN-transceiver with bus wake-up and bus failure detection, tape & reel
TLE 6254-3G	SP000014156	P-DSO-14-13	Low speed fault tolerant CAN-transceiver according ISO 11898-3, tape & reel
TLE 6255G	SP000012141	P-DSO-14-2	Single wire CAN-transceiver, tape & reel
TLE 6258-2G	SP000014969	P-DSO-8-3	Single wire LIN-transceiver, low speed, tape & reel
▼ TLE 6259-2G	SP000014214	P-DSO-8-3	Single wire LIN-transceiver, suitable for LIN protocol, tape & reel
TLE 6266G	SP000013996	P-DSO-28-6	Fault tolerant differential CAN-transceiver with watchdog (KORMORAN II), tape & reel
▼ TLE 7259G	SP000017461	P-DSO-8-3	Enhanced LIN-transceiver with sleep mode/inhibit output, compatible to 3.3 V and 5 V logic input levels, tape & reel

3

SMD = Surface Mounted Device

Power Semiconductors

Type	Ordering Code	Package	Description
------	---------------	---------	-------------

Specific Automotive ICs

Application Specific Standard Products for Restraint Systems

▼ TLE 6710Q	SP000013708	P-MQFP-64-1	Power supply communication four squib driver airbag system ICs, tape & reel
TLE 6711G	SP000012787	P-DSO-14-3	Airbag power supply ICs, tape & reel
▼ TLE 6712G	SP000013710	P-DSO-24-10	Two squib airbag firing ICs, tape & reel
▼ TLE 6714G	SP000013709	P-DSO-28-1	Quad squib airbag firing ICs, tape & reel
▼ TLE 7719T	SP000014172	P-TSSOP-28-1	Airbag satellite receiver ICs (4-channel), tape & reel
▼ TLE 7719T	SP000228426	PG-TSSOP-28-1	Airbag satellite receiver ICs (4-channel), tape & reel

Application Specific Standard Products for Vehicle Stability - Braking (ABS/ESP)

TLE 6210G B2	SP000013645	P-DSO-20-12	ABS/ASR system ICs, 5 V, 800 mA linear regulator, lamp output, tape & reel
▼ TLE 6211G-C1	SP000013647	P-DSO-20-12	ABS/ASR system ICs, 5 V, 800 mA linear regulator, inverted lamp output, tape & reel

3

SMD = Surface Mounted Device

Power Semiconductors

Type	Ordering Code	Package	Description
DC/DC Control ICs			
CoreControl™			
TDA 21101G	SP000013698	P-DSO-8-3	High speed single driver with bootstrapping for dual power MOSFETs, tape & reel
▼ TDA 21101G	SP000200320	PG-DSO-8-3	High speed single driver with bootstrapping for dual power MOSFETs, tape & reel
TDA 21107	SP000015138	P-DSO-8-3	High speed single driver for dual power MOSFETs, power-on OVP protection, tape & reel
TDA 21106	SP000063695	P-DSO-8-3	High speed single driver with bootstrapping for dual power MOSFETs, tape & reel
TDA 21102	SP000014699	P-DSO-14-3	High speed driver with bootstrapping for dual power MOSFETs (dual Gate Driver), tape & reel
TDA 21103	SP000015139	P-DSO-14-3	High speed driver with bootstrapping for dual power MOSFETs (dual Gate Driver), power-on OVP protection, tape & reel
TDA 21201-B7	SP000013685	P-TO263-7-2	Integrated switch (MOSFET driver and MOSFETs), tape & reel
TDA 21201-P7	SP000014081	P-TO220-7-3	Integrated switch (MOSFET driver and MOSFETs), tube
TDA 21201-S7	SP000014082	P-TO220-7-230	
TDA 21301	SP000013699	P-TSSOP-28	Multi-phase PWM controller for CPU power supply, tape & reel
Smart Lighting Control ICs			
▼ ICB 1FL01G	SP000075625	PG-DSO-18-1	Smart ballast control IC for fluorescent lamp, tape & reel
▼ ICB 1FL02G	SP000204703	PG-DSO-18-1	PFC, ballast control and half-bridge driver in one IC, tape & reel

3

SMD = Surface Mounted Device

Power Semiconductors

Type	Ordering Code	Package	Description
Power Control ICs			
PWM Control ICs for SMPS			
IDA 4916GG	SP000011736	P-DSO-24-1	Off-line PWM (Pulse Width Modulation) controller with very stable oscillator for high performance converters, tape & reel
▼ TDA 4916GG	SP000087991	P-DSO-24-1	Off-line PWM (Pulse Width Modulation) controller with very stable oscillator for high performance converters, tape & reel
ICE 2AS01	SP000013764	P-DIP-8-4	Off-line PWM (Pulse Width Modulation) control ICs for SMPS (100 kHz fixed), tube
ICE 2AS01G	SP000013765	P-DSO-8-3	Off-line PWM (Pulse Width Modulation) control ICs for SMPS (100 kHz fixed), tape & reel
ICE 3AS02	SP000015084	PG-DIP-8-6	Off-line PWM (Pulse Width Modulation) control ICs for SMPS (100 kHz fixed) with start up cell, tube
▼ ICE 3AS02G	SP000101150	PG-DSO-8-3	Off-line PWM (Pulse Width Modulation) control ICs for SMPS (100 kHz fixed) with start up cell, tape & reel
ICE 2BS01	SP000013766	P-DIP-8-4	Off-line PWM (Pulse Width Modulation) control ICs for SMPS (67 kHz fixed), tube
ICE 2BS01G	SP000013767	P-DSO-8-3	Off-line PWM (Pulse Width Modulation) control ICs for SMPS (67 kHz fixed), tape & reel
ICE 3BS02	SP000014966	PG-DIP-8-6	Off-line PWM (Pulse Width Modulation) control ICs for SMPS (67 kHz fixed) with start up cell, tube
▼ ICE 3BS02G	SP000101151	PG-DSO-8-8	Off-line PWM (Pulse Width Modulation) control ICs for SMPS (67 kHz fixed) with start up cell, tape & reel
ICE 3BS02L	SP000015117	P-DIP-8-6	Off-line PWM (Pulse Width Modulation) control ICs for SMPS (67 kHz fixed) with start up cell, latch mode, tube
ICE 3DS01L	SP000014265	P-DIP-8-6	Off-line PWM (Pulse Width Modulation) control ICs for SMPS (110 kHz fixed) with start up cell, latch mode, tube
ICE 3DS01LG	SP000014264	P-DSO-8-8	Off-line PWM (Pulse Width Modulation) control ICs for SMPS (110 kHz fixed) with start up cell, latch mode, tape & reel
ICE 1QS01	SP000014266	P-DIP-8-4	Controller for quasi-resonant SMPS supporting low power standby and power factor correction, tube
ICE 1QS01G	SP000014505	P-DSO-8-3	Controller for quasi-resonant SMPS supporting low power standby and power factor correction, tape & reel
▼ ICE 1QS01G	SP000081003	PG-DSO-8-3	Controller for quasi-resonant SMPS supporting low power standby and power factor correction, tape & reel
TDA 16846	SP000011731	P-DIP-14-3	Off-line PWM-controller for quasi-resonant, synchronized or fixed frequency applications, tube
▼ TDA 16846 G GEG	SP000012854	P-DSO-14-3	Off-line PWM-controller for quasi-resonant, synchronized or fixed frequency applications, tape & reel
▼ TDA 16846 G GEG	SP000081009	PGDSO-14-3	Off-line PWM-controller for quasi-resonant, synchronized or fixed frequency applications, suited for TV-, VCR-sets, SAT receivers and other sets for consumer electronics, tube
TDA 16846-2	SP000013854	P-DIP-14-3	Off-line PWM-controller for quasi-resonant, synchronized or fixed frequency applications, suited for TV-, VCR-sets, SAT receivers and other sets for consumer electronics, tube
▼ TDA 16846-2G GEG	SP000081008	PG-DSO-14-3	Off-line PWM-controller for quasi-resonant, synchronized or fixed frequency applications, suited for TV-, VCR-sets, SAT receivers and other sets for consumer electronics, tape & reel
▼ TDA 16847	SP000011732	P-DIP-14-3	Off-line PWM-controller for quasi-resonant, synchronized or fixed frequency applications, temporary high power circuit, tape & reel
▼ TDA 16847-2	SP000013856	P-DIP-14-3	Off-line PWM-controller for quasi-resonant, synchronized or fixed frequency applications, suited for TV-, VCR-sets, SAT receivers and other sets for consumer electronics, temporary high power circuit, tube
TDA 16888	SP000011721	P-DIP-20-5	Power combi (PWM + PFC) control IC for SMPS, tube
TDA 16888 G	SP000011722	P-DSO-20-1	
▼ TDA 16888 G	SP000081318	PG-DSO-20-1	Power combi (PWM + PFC) control IC for SMPS, tape & reel
▼ TDA 16888 G GEG	SP000011723	P-DSO-20-1	
▼ TDA 16888 G GEG	SP000087990	PG-DSO-20-1	Power combi (PWM + PFC) control IC for SMPS, tape & reel
TDA 4605-2	SP000011728	P-DIP-8-1	Off-line quasi-resonant PWM controller, tube
TDA 4605-3	SP000011729	P-DIP-8-1	Off-line quasi-resonant PWM controller with enhanced gate driver, tube



SMD = Surface Mounted Device

Power Semiconductors

Type	Ordering Code	Package	Description
Power Control ICs			
Power Factor Controllers			
TDA 4862	SP000011734	P-DIP-8-1	Power factor correction control ICs for SMPS, tube
TDA 4862G GEG	SP000011735	P-DSO-8-1	Power factor correction control ICs for SMPS, tape & reel
▼ TDA 4862G GEG	SP000080989	P-DSO-8-1	
TDA 4863	SP000013654	P-DIP-8-4	Power factor controller IC for high power factor and low THD (Boost controller), tube
TDA 4863G	SP000013655	P-DSO-8-3	Power factor controller IC for high power factor and low THD (Boost controller), tape & reel
▼ TDA 4863G	SP000080991	PG-DSO-8-3	
TDA 4863-2	SP000014792	P-DIP-8-4	Power factor controller IC for high power factor and low THD (Boost controller), a big MOS transistor can be driven, tube
TDA 4863-2G	SP000014793	P-DSO-8-3	Power factor controller IC for high power factor and low THD (Boost controller), a big MOS transistor can be driven, tape & reel
▼ TDA 4863-2G	SP000081016	PG-DSO-8-3	
ICE 1PCS01	SP000014681	P-DIP-8-4	Power Factor Controller (PFC) in Continuous Conduction Mode (CCM), tube
ICE 1PCS01	SP000014680	P-DSO-8-3	Power Factor Controller (PFC) in Continuous Conduction Mode (CCM), tape & reel
▼ ICE 1PCS01G	SP000081001	PG-DSO-8-3	
▼ ICE 1PCS02	SP000056162	PG-DIP-8-4	Standalone Power Factor Correction (PFC) controller in Continuous Conduction Mode (CCM) with input brown-out protection, tube
▼ ICE 1PCS02G	SP000056164	PG-DSO-8-3	Standalone Power Factor Correction (PFC) controller in Continuous Conduction Mode (CCM) with input brown-out protection, tape & reel
TDA 21801	SP000015019	PG-DSO-8-3	Fan speed controller IC for SMPS, tape & reel

3

SMD = Surface Mounted Device

Power Semiconductors

Type	Ordering Code	Package	Description
------	---------------	---------	-------------

Power Control ICs

CoolSET™ F1 Family

TDA 16822	SP000012897	P-DIP-8-6	Integrated PWM control IC + CoolMOS™ power MOSFET in multi-chip technology (650 V, 20 W), tube
-----------	-------------	-----------	--

Type	Ordering Code	Package	V_{break} V	P_{out} W	I_{peak} A	f_{op} kHz
------	---------------	---------	------------------	----------------	-----------------	-----------------

Off-Line SMPS Current Mode Controller with Integrated CoolMOS™ Power MOSFET

CoolSET™ F2 Family

ICE 2A0565	SP000014233	P-DIP-8-6	650	13	0.5	100
ICE 2A0565G	SP000015061	P-DSO-16/12	650	13	0.5	100
ICE 2A0565Z	SP000014235	P-DIP-7-1	650	12	0.5	100
ICE 2A165	SP000013769	P-DIP-8-6	650	18	1	100
ICE 2A180Z	SP000014236	P-DIP-7-1	800	18	1	100
ICE 2A265	SP000013503	P-DIP-8-6	650	32	2	100
ICE 2A280Z	SP000014237	P-DIP-7-1	800	31	2	100
ICE 2A365	SP000013504	P-DIP-8-6	650	45	3	100
▼ ICE 2A380P2	SP000089417	P-TO220-6-47	800	62	3	100
ICE 2A765I	SP000014565	P-TO220-6-46	650	130	7	100
ICE 2A765P	SP000013794	P-TO220-6-47	650	130	7	100
ICE 2A765P2	SP000014566	P-TO220-6-47	650	130	7	100
ICE 2B165	SP000013997	P-DIP-8-6	650	18	1	67
ICE 2B265	SP000013998	P-DIP-8-6	650	32	2	67
ICE 2B365	SP000013999	P-DIP-8-6	650	45	3	67
ICE 2B0565	SP000014234	P-DIP-8-6	650	45	0.5	67
ICE 2B765I	SP000014702	P-TO220-6-46	650	130	7	67
ICE 2B765P	SP000013768	P-TO220-6-47	650	130	7	67
ICE 2B765P2	SP000014701	P-TO220-6-47	650	130	7	67

Off-Line SMPS Current Mode Controller with Integrated CoolMOS™ Power MOSFET

CoolSET™ F3 Family

ICE 3A0365	SP000015072	PG-DIP-8-6	650	10	0.3	100
ICE 3A0565	SP000015073	P-DIP-8-6	650	12	0.5	100
ICE 3A0565Z	SP000017044	P-DIP-7-1	650	12	0.5	100
ICE 3A1065	SP000015074	P-DIP-8-6	650	16	1.0	100
ICE 3A1565	SP000015083	P-DIP-8-6	650	20	1.5	100
ICE 3A2065	SP000015082	PG-DIP-8-6	650	28	2.0	100
ICE 3A2065I	SP000016985	P-TO220-6-46	650	28	2.0	100
ICE 3A2065P	SP000016984	P-TO220-6-47	650	28	2.0	100
ICE 3A2065Z	SP000017045	P-DIP-7-1	650	28	2.0	100
ICE 3A2565	SP000015075	PG-DIP-8-6	650	33	2.5	100

3

SMD = Surface Mounted Device

Power Semiconductors

Type	Ordering Code	Package	V_{break}	P_{out}	I_{peak}	f_{op}
			V	W	A	kHz

Power Control ICs

Off-Line SMPS Current Mode Controller with Integrated CoolMOS™ Power MOSFET CoolSET™ F3 Family (cont'd)

ICE 3A0365I	SP000016983	P-TO220-6-46	650	62	0.3	100
ICE 3A0365P	SP000016982	P-TO220-6-47	650	62	0.3	100
ICE 3A3565I	SP000016981	P-TO220-6-46	650	83	3.5	100
ICE 3A3565P	SP000016980	P-TO220-6-47	650	83	3.5	100
ICE 3A5065I	SP000016979	P-TO220-6-46	650	105	5.0	100
ICE 3A5065P	SP000016978	P-TO220-6-47	650	105	5.0	100
ICE 3A5565I	SP000016977	P-TO220-6-46	650	120	5.5	100
ICE 3A5565P	SP000016976	P-TO220-6-47	650	120	5.5	100
ICE 3B0365	SP000014968	P-DIP-8-6	650	10	0.3	67
ICE 3B0565	SP000014967	P-DIP-8-6	650	12	0.5	67
ICE 3B1065	SP000015076	P-DIP-8-6	650	16	1.0	67
ICE 3B1565	SP000015081	P-DIP-8-6	650	20	1.5	67
ICE 3B2065	SP000015080	P-DIP-8-6	650	28	2.0	67
ICE 3B2065I	SP000016808	P-TO220-6-46	650	50	2.0	67
ICE 3B2065P	SP000016809	P-TO220-6-47	650	50	2.0	67
ICE 3B2565	SP000015077	P-DIP-8-6	650	33	2.5	67
ICE 3B3065I	SP000016810	P-TO220-6-46	650	62	3.0	67
ICE 3B3065P	SP000016811	P-TO220-6-47	650	62	3.0	67
ICE 3B3565I	SP000016812	P-TO220-6-46	650	83	3.5	67
ICE 3B3565P	SP000016813	P-TO220-6-47	650	83	3.5	67
ICE 3B5065I	SP000016814	P-TO220-6-46	650	105	5.0	67
ICE 3B5065P	SP000016815	P-TO220-6-47	650	105	5.0	67
ICE 3B5565I	SP000016816	P-TO220-6-46	650	120	5.0	67
ICE 3B5565P	SP000016817	P-TO220-6-47	650	120	5.0	67

3

Off-Line SMPS Current Mode Controller with Integrated CoolMOS™ Power MOSFET CoolSET™ F3 Family (latched-off mode)

▼ ICE 3A1065L	SP000098668	P-DIP-8-6	650	16	1.0	100
▼ ICE 3A1565L	SP000098669	P-DIP-8-6	650	20	1.5	100
▼ ICE 3B0365L	SP000016614	P-DIP-8-6	650	10	0.3	67

Off-Line SMPS Current Mode Controller with Integrated CoolMOS™ Power MOSFET CoolSET™ F3 Family (Jitter mode)

▼ ICE 3B1565J	SP000098876	PG-DIP-8-6	650	20	1.5	67
▼ ICE 3B0365J	SP000064720	PG-DIP-8-6	650	10	0.3	67
▼ ICE 3B0365JG	SP000078899	P-DSO-16/12	650	10	0.3	67
▼ ICE 3B0565J	SP000064685	PG-DIP-8-6	650	12	0.5	67
▼ ICE 3B0565JG	SP000077217	P-DSO-16/12	650	12	0.5	67

SMD = Surface Mounted Device

Power Semiconductors

Type	Ordering Code	Package	Description
------	---------------	---------	-------------

Function and Industrial ICs

Proximity Switches

TCA 305G	SP000011709	P-DSO-14-1	ICs for inductive proximity switches, tube
▼ TCA 305G	SP000080985	PG-DSO-14-1	
▼ TCA 305G GEG	SP000011710	P-DSO-14-1	ICs for inductive proximity switches, tape & reel
▼ TCA 305G GEG	SP000080986	PG-DSO-14-1	
▼ TCA 355G	SP000080987	PG-DSO-8-1	ICs for inductive proximity switches, tube
TCA 355G GEG	SP000011712	P-DSO-8-1	ICs for inductive proximity switches, tape & reel
▼ TCA 355G GEG	SP000080988	PG-DSO-8-1	
TCA 505BG	SP000011717	P-DSO-16-1	ICs for inductive proximity switches with short-circuit protection, tube
▼ TCA 505BG GEG	SP000011718	P-DSO-16-1	ICs for inductive proximity switches with short-circuit protection, tape & reel
▼ TCA 505BG GEG	SP000105379	PG-DSO-16-1	

Power Driver ICs

FZL 4146G	SP000011402	P-DSO-20-7	Short-circuit signaling, four driver circuits for driving power transistors, turn-ON threshold setting from 1.5 to 7 V
▼ FZL 4146G	SP000087989	PG-DSO-20-7	

Window Discriminator

TCA 965B	SP000011720	P-DIP-14-1	Window discriminator, tube
----------	-------------	------------	----------------------------

Phase Control

TCA 785	SP000011719	P-DIP-16-1	Phase control, tube
---------	-------------	------------	---------------------

Audible Signal ICs

SAE 0800	SP000011614	P-DIP-8-1	Programmable single-, dual- and triple-tone gong, tube
SAE 0800G	SP000011615	P-DSO-8-1	
▼ SAE 0800G	SP000080996	PG-DSO-8-1	
SAE 0800G GEG	SP000011616	P-DSO-8-1	Programmable single-, dual- and triple-tone gong, tape & reel
▼ SAE 0800G GEG	SP000080995	PG-DSO-8-1	

3

SMD = Surface Mounted Device

Silicon Discrete Components

4

AF Semiconductors	103
RF Semiconductors	121

Silicon Discrete Components

Type	Ordering Code	Package	Maximum Ratings		Characteristics ($T_A = 25^\circ\text{C}$)		
			V_R	I_F	V_F	at	I_F
			V	mA	V		mA

AF Diodes

Switching Diodes (8 mm Tape)

BAL 74	3k*	SP000014992	SOT23	50	250	≤ 1.0	100
BAL 99	3k*	SP000010159	SOT23	70	250	≤ 1.25	150
BAL 99	10k*	SP000010161	SOT23	70	250	≤ 1.25	150
BAR 74	3k*	SP000010202	SOT23	50	250	≤ 1.0	100
BAS 16	3k*	SP000010203	SOT23	75	250	≤ 1.25	150
BAS 16	10k*	SP000010201	SOT23	75	250	≤ 1.25	150
▼ BAS 16	9x10k*	SP000223927	SOT23	75	250	≤ 1.25	150
▼ BAS 16	10x3k*	SP000223866	SOT23	75	250	≤ 1.25	150
BAS 16-02L	15k*	SP000013548	TSLP-2-1	75	250	≤ 1.25	150
■ BAS 16-02V	3k*	SP000014911	SC79	75	250	≤ 1.25	150
BAS 16 W	3k*	SP000010214	SOT323	75	250	≤ 1.25	150
BAS 16 W	10k*	SP000010215	SOT323	75	250	≤ 1.25	150
BAS 16-02W	3k*	SP000010212	SCD80	75	200	≤ 1.25	150
■ BAS 16-03W	3k*	SP000010213	SOD323	75	250	≤ 1.25	150
BAS 16-07L4 (Dual)	3k*	SP000013972	TSLP-4-4	75	250	≤ 1.25	150
BAS 21	3k*	SP000010217	SOT23	200	250	≤ 1.25	200
BAS 21	10k*	SP000010219	SOT23	200	250	≤ 1.25	200
BAS 21-03W	3k*	SP000012522	SOD323	200	250	≤ 1.25	200
▼ BAS 21-03W	10k*	SP000082470	SOD323	200	250	≤ 1.25	200
BAS 116	3k*	SP000010194	SOT23	75	250	≤ 1.25	150
BGX 50 A (Bridge)	3k*	SP000011092	SOT143	50	140	≤ 2.6	100
■ SMBD 914	3k*	SP000010209	SOT23	70	250	≤ 1.0	100
▼ MMBD 914	3k*	SP000010207	SOT23	70	250	≤ 1.0	100
▼ MMBD 914	10k*	SP000010208	SOT23	70	250	≤ 1.0	100

Switching Diodes (12 mm Tape)

BAW 78 D	1k*	SP000010370	SOT89	400	1000	≤ 2.00	2000
BAW 79 D (Dual)	1k*	SP000014594	SOT89	400	1000	≤ 2.00	2000

* Order unit

SMD = Surface Mounted Device

4

Silicon Discrete Components

Type	Ordering Code	Package	Maximum Ratings		Characteristics ($T_A = 25^\circ\text{C}$)		
			V_R	I_F	V_F	at	I_F
			V	mA	V		mA

AF Diodes

Switching Diodes Array

BAS 16S (Triple)	3k*	SP000010200	SOT363	80	200	≤ 1.25	150
BAS 16U (Triple)	3k*	SP000012608	SC74	80	200	≤ 1.25	150
BAS 21U (Triple)	3k*	SP000012610	SC74	200	250	≤ 1.25	200
BAS 28 (Dual)	3k*	SP000010225	SOT143	80	200	≤ 1.25	150
BAS 28W (Dual)	3k*	SP000010230	SOT343	80	200	≤ 1.25	150
■ BAV 70 (Dual)	3k*	SP000014923	SOT23	80	200	≤ 1.25	150
BAV 70 (Dual)	10k*	SP000014924	SOT23	80	200	≤ 1.25	150
▼ BAV 70 (Dual)	9x10k*	SP000223928	SOT23	80	200	≤ 1.25	150
▼ BAV 70 (Dual)	10x3k*	SP000223868	SOT23	80	200	≤ 1.25	150
BAV 70S (Quad)	3k*	SP000010338	SOT363	80	200	≤ 1.25	150
■ BAV 70T	3k*	SP000013068	SC75	80	200	≤ 1.25	150
BAV 70U (Quad)	3k*	SP000012931	SC74	80	200	≤ 1.25	150
BAV 70W (Dual)	3k*	SP000014989	SOT323	80	200	≤ 1.25	150
BAV 70W (Dual)	10k*	SP000014990	SOT323	80	200	≤ 1.25	150
■ BAV 99 (Dual)	3k*	SP000010350	SOT23	80	200	≤ 1.25	150
▼ BAV 99 (Dual)	3k*	SP000095919	SOT23	80	200	≤ 1.25	150
BAV 99 (Dual)	10k*	SP000010342	SOT23	80	200	≤ 1.25	150
▼ BAV 99 (Dual)	9x10k*	SP000223929	SOT23	80	200	≤ 1.25	150
▼ BAV 99 (Dual)	10x3k*	SP000223871	SOT23	80	200	≤ 1.25	150
BAV 99S (Quad)	3k*	SP000010356	SOT363	80	200	≤ 1.25	150
BAV 99S (Quad)	10k*	SP000010357	SOT363	80	200	≤ 1.25	150
BAV 99T	3k*	SP000012342	SC75	80	200	≤ 1.25	150
BAV 99T	10k*	SP000012343	SC75	80	200	≤ 1.25	150
BAV 99U (Quad)	3k*	SP000012613	SC74	80	200	≤ 1.25	150
BAV 99W (Dual)	3k*	SP000010340	SOT323	80	200	≤ 1.25	150
BAV 99W (Dual)	10k*	SP000010341	SOT323	80	200	≤ 1.25	150
▼ BAV 99W (Dual)	10x3k*	SP000056356	SOT323	80	200	≤ 1.25	150
BAV 170 (Dual)	3k*	SP000010325	SOT23	80	200	≤ 1.25	150
BAV 170 (Dual)	10k*	SP000010332	SOT23	80	200	≤ 1.25	150
■ BAV 199 (Dual)	3k*	SP000010326	SOT23	80	200	≤ 1.25	150
▼ BAV 199 (Dual)	3k*	SP000056360	SOT23	80	200	≤ 1.25	150
BAV 199 (Dual)	10k*	SP000010330	SOT23	80	200	≤ 1.25	150
■ BAW 56 (Dual)	3k*	SP000014929	SOT23	80	200	≤ 1.25	150
BAW 56 (Dual)	10k*	SP000014931	SOT23	80	200	≤ 1.25	150
▼ BAW 56	9x10k*	SP000223931	SOT23	80	200	≤ 1.25	150
▼ BAW 56	10x3k*	SP000223877	SOT23	80	200	≤ 1.25	150
BAW 56S (Quad)	3k*	SP000014908	SOT363	80	200	≤ 1.25	150
▼ BAW 56S (Quad)	10x3k*	SP000056359	SOT363	80	200	≤ 1.25	150
■ BAW 56T (Dual)	3k*	SP000014912	SC75	80	200	≤ 1.25	150
BAW 56U (Quad)	3k*	SP000014993	SC74	80	200	≤ 1.25	150
BAW 56W (Dual)	3k*	SP000014991	SOT323	80	200	≤ 1.25	150

4

* Order unit

SMD = Surface Mounted Device

Silicon Discrete Components

Type	Ordering Code	Package	Maximum Ratings		Characteristics ($T_A = 25^\circ\text{C}$)		
			V_R	I_F	V_F	at	I_F
			V	mA	V		mA

AF Diodes

Switching Diodes Array

(cont'd)

BAW 101 (Dual)	3k*	SP000010363	SOT143	300	250	≤ 1.3	100
BAW 101 (Dual)	10k*	SP000010364	SOT143	300	250	≤ 1.3	100
BAW 156 (Dual)	3k*	SP000010327	SOT23	80	20	≤ 1.25	150
▼ BAW 222 (Dual)	3k*	SP000015125	SC75	80	200	≤ 1.25	150
SMBD 7000 (Dual)	3k*	SP000014938	SOT23	100	200	≤ 1.1	100
▼ MMBD 7000 (Dual)	3k*	SP000014935	SOT23	100	200	≤ 1.1	100
SMBD 7000 (Dual)	10k*	SP000014937	SOT23	100	200	≤ 1.1	100

Schottky Diodes (8 mm Tape)

BAS 40	3k*	SP000010235	SOT23	40	120	≤ 0.380	1
BAS 40	10k*	SP000010233	SOT23	40	120	≤ 0.380	1
BAS 40-02L	15k*	SP000013549	TSLP-2-1	40	120	≤ 0.380	40
BAS 40-04 (Dual)	3k*	SP000010241	SOT23	40	120	≤ 0.380	1
BAS 40-04 (Dual)	10k*	SP000010243	SOT23	40	120	≤ 0.380	1
BAS 40-05 (Dual)	3k*	SP000010240	SOT23	40	120	≤ 0.380	1
BAS 40-05 (Dual)	10k*	SP000010242	SOT23	40	120	≤ 0.380	1
BAS 40-05W (Dual)	3k*	SP000014595	SOT323	40	120	≤ 0.380	1
BAS 40-06 (Dual)	3k*	SP000010239	SOT23	40	120	≤ 0.380	1
BAS 40-06 (Dual)	10k*	SP000010244	SOT23	40	120	≤ 0.380	1
BAS 40-06W (Dual)	3k*	SP000014597	SOT323	40	120	≤ 0.380	1
BAS 40-07 (Dual)	3k*	SP000010245	SOT143	40	120	≤ 0.380	1
▼ BAS 40-07 (Dual)	10x3k*	SP000056361	SOT143	40	120	≤ 0.380	1
BAS 40-07W (Dual)	3k*	SP000010246	SOT343	40	120	0.310	1
BAS 52-02V	3k*	SP000013936	SC79	45	750	≤ 0.400	200
▼ BAS 52-02V	8k*	SP000104721	SC79	45	750	≤ 0.400	200
BAS 70	3k*	SP000010247	SOT23	70	70	≤ 0.410	1
BAS 70	10k*	SP000010248	SOT23	70	70	≤ 0.410	1
BAS 70-02L	15k*	SP000013550	TSLP-2-1	70	70	≤ 0.420	15
BAS 70-02W (Dual)	3k*	SP000012521	SCD80	70	70	≤ 0.410	1
BAS 70-04 (Dual)	3k*	SP000010253	SOT23	70	70	≤ 0.410	1
BAS 70-04 (Dual)	10k*	SP000010256	SOT23	70	70	≤ 0.410	1
BAS 70-04S (Quad)	3k*	SP000014598	SOT363	70	70	0.410	1
BAS 70-04W (Dual)	3k*	SP000010249	SOT323	70	70	0.410	1
BAS 70-05 (Dual)	3k*	SP000010252	SOT23	70	70	0.410	1
▼ BAS 70-05 (Dual)	10k*	SP000078827	SOT23	70	70	0.410	1
BAS 70-05W (Dual)	3k*	SP000010250	SOT323	70	70	0.410	1
BAS 70-06 (Dual)	3k*	SP000010254	SOT23	70	70	0.410	1
BAS 70-06 (Dual)	10k*	SP000010260	SOT23	70	70	0.410	1
BAS 70-06W (Dual)	3k*	SP000010251	SOT323	70	70	0.410	1
BAS 70-07 (Dual)	3k*	SP000010266	SOT143	70	70	0.410	1
BAS 70-07 (Dual)	10k*	SP000010269	SOT143	70	70	0.410	1
■ BAS 70-07W (Dual)	3k*	SP000010270	SOT343	70	70	0.380	1
BAS 140W	3k*	SP000010199	SOD323	40	120	≤ 0.380	1
BAS 170W	3k*	SP000010216	SOD323	70	70	≤ 0.410	1

* Order unit

SMD = Surface Mounted Device

4

Silicon Discrete Components

Type	Ordering Code	Package	Maximum Ratings		Characteristics ($T_A = 25^\circ\text{C}$)		
			V_R	I_F	V_F	at	I_F
			V	mA	V		mA

AF Diodes

Schottky Diodes (8 mm Tape) (cont'd)

▼ BAS 3005B-02V	3k*	SP000065626	SC79	30	500	≤ 0.360	1
▼ BAS 3010A-03W	3k*	SP000068629	SOD323	30	1000	≤ 0.290	1
▼ BAS 3010B-03W	3k*	SP000068630	SOD323	30	1000	≤ 0.360	1
▼ BAT 54	3k*	SP000068499	SOT23	30	200	0.320	1
▼ BAT 54-02LRH	3k*	SP000234099	TSLP-2-7	30	200	0.320	1
▼ BAT 54-02V	3k*	SP000232851	SC79	30	200	0.320	1
▼ BAT 54-04 (Dual)	3k*	SP000068500	SOT323	30	200	0.320	1
▼ BAT 54-04W (Dual)	3k*	SP000233428	SOT23	30	200	0.320	1
▼ BAT 54-05 (Dual)	3k*	SP000068509	SOT23	30	200	0.320	1
▼ BAT 54-05W (Dual)	3k*	SP000233429	SOT323	30	200	0.320	1
▼ BAT 54-06 (Dual)	3k*	SP000068510	SOT23	30	200	0.320	1
▼ BAT 54-06W (Dual)	3k*	SP000233430	SOT323	30	200	0.320	1
▼ BAT 54W (Dual)	3k*	SP000233431	SOT323	30	200	0.320	1
■ BAT 64	3k*	SP000010307	SOT23	40	250	0.385	1
BAT 64-02W	3k*	SP000012516	SCD80	40	250	0.385	1
■ BAT 64-04 (Dual)	3k*	SP000010309	SOT23	40	250	0.385	1
BAT 64-04 (Dual)	10k*	SP000010314	SOT23	40	250	0.385	1
BAT 64-04T (Dual)	3k*	SP000029976	SC75	40	250	0.385	1
■ BAT 64-04W (Dual)	3k*	SP000014600	SOT323	40	250	0.385	1
■ BAT 64-05 (Dual)	3k*	SP000010310	SOT23	40	250	0.385	1
BAT 64-05W (Dual)	3k*	SP000014601	SOT323	40	250	0.385	1
■ BAT 64-06 (Dual)	3k*	SP000010311	SOT23	40	250	0.385	1
BAT 64-06W (Dual)	3k*	SP000014602	SOT323	40	250	0.385	1
BAT 165	3k*	SP000010277	SOD323	40	750	≤ 0.700	750
BAT 240A (Dual)	3k*	SP000010292	SOT23	240	400	0.325	10

4

* Order unit

SMD = Surface Mounted Device

Silicon Discrete Components

Type	Ordering Code	Package	Maximum Ratings		Characteristics ($T_A = 25^\circ\text{C}$)			
			V_{CEO} V	I_{CM} mA	h_{FE}	at	I_{C} mA	V_{CE} V

AF Transistors

NPN Transistors (8 mm Tape)

BC 817-16	3k*	SP000010501	SOT23	45	1000	100 ... 250	100	1
BC 817-16	10k*	SP000010513	SOT23	45	1000	100 ... 250	100	1
▼ BC 817-16	9x10k*	SP000223935	SOT23	45	1000	100 ... 250	100	1
▼ BC 817-16	10x3k*	SP000223882	SOT23	45	1000	100 ... 250	100	1
BC 817-25	3k*	SP000010500	SOT23	45	1000	160 ... 400	100	1
BC 817-25	10k*	SP000010510	SOT23	45	1000	160 ... 400	100	1
▼ BC 817-25	9x10k*	SP000223936	SOT23	45	1000	160 ... 400	100	1
▼ BC 817-25	10x3k*	SP000223884	SOT23	45	1000	160 ... 400	100	1
BC 817-25W	3k*	SP000010485	SOT323	45	1000	160 ... 400	100	1
▼ BC 817-25W	10k*	SP000010484	SOT323	45	1000	160 ... 400	100	1
BC 817-40	3k*	SP000010502	SOT23	45	1000	250 ... 630	100	1
BC 817-40	10k*	SP000010512	SOT23	45	1000	250 ... 630	100	1
▼ BC 817-40	9x10k*	SP000223938	SOT23	45	1000	250 ... 630	100	1
▼ BC 817-40	10x3k*	SP000223885	SOT23	45	1000	250 ... 630	100	1
BC 817-40W	3k*	SP000010487	SOT323	45	1000	250 ... 630	100	1
BC 818-16W	3k*	SP000010488	SOT323	25	1000	100 ... 250	100	1
BC 818-25	3k*	SP000010503	SOT23	25	1000	160 ... 400	100	1
BC 818-40	3k*	SP000010495	SOT23	25	1000	250 ... 630	100	1
BC 846A	3k*	SP000010531	SOT23	65	200	110 ... 220	2	5
BC 846A	10k*	SP000010532	SOT23	65	200	110 ... 220	2	5
BC 846B	3k*	SP000010530	SOT23	65	200	200 ... 450	2	5
BC 846B	10k*	SP000010534	SOT23	65	200	200 ... 450	2	5
▼ BC 846B	9x10k*	SP000223940	SOT23	65	200	200 ... 450	2	5
▼ BC 846B	10x3k*	SP000223891	SOT23	65	200	200 ... 450	2	5
BC 846BW	3k*	SP000010523	SOT323	65	200	200 ... 450	2	5
BC 847A	3k*	SP000010571	SOT23	45	200	110 ... 220	2	5
■ BC 847B	3k*	SP000010559	SOT23	45	200	200 ... 450	2	5
▼ BC 847B	3k*	SP000209608	SOT23	45	200	200 ... 450	2	5
BC 847B	10k*	SP000010576	SOT23	45	200	200 ... 450	2	5
▼ BC 847B	9x10k*	SP000223941	SOT23	45	200	200 ... 450	2	5
▼ BC 847B	10x3k*	SP000223887	SOT23	45	200	200 ... 450	2	5
BC 847BF	3k*	SP000012995	TSFP-3	45	200	200 ... 450	2	5
BC 847BL3	15k*	SP000013553	TSLP-3-1	45	200	200 ... 450	2	5
BC 847BT	10k*	SP000012401	SC75	45	200	200 ... 450	2	5
■ BC 847BW	3k*	SP000010606	SOT323	45	200	200 ... 450	2	5
BC 847C	3k*	SP000010565	SOT23	45	200	420 ... 800	2	5
BC 847C	10k*	SP000010590	SOT23	45	200	420 ... 800	2	5
▼ BC 847C	9x10k*	SP000223942	SOT23	45	200	420 ... 800	2	5
▼ BC 847C	10x3k*	SP000223890	SOT23	45	200	420 ... 800	2	5
BC 847CW	3k*	SP000010607	SOT323	45	200	420 ... 800	2	5
▼ BC 847CW	10k*	SP000010616	SOT323	45	200	420 ... 800	2	5
▼ BC 847CW	10x3k*	SP000056355	SOT323	45	200	420 ... 800	2	5
BC 848A	3k*	SP000010568	SOT23	30	200	110 ... 220	2	5
BC 848B	3k*	SP000010561	SOT23	30	200	200 ... 450	2	5
BC 848B	10k*	SP000010581	SOT23	30	200	200 ... 450	2	5
BC 848BL3	15k*	SP000013554	TSLP-3-1	30	200	200 ... 450	2	5
BC 848BW	3k*	SP000010610	SOT323	30	200	200 ... 450	2	5

* Order unit

SMD = Surface Mounted Device



Silicon Discrete Components

Type	Ordering Code	Package	Maximum Ratings		Characteristics ($T_A = 25^\circ\text{C}$)			
			V_{CEO} V	I_{CM} mA	h_{FE}	at	I_{C} mA	V_{CE} V

AF Diodes

NPN Diodes (8 mm Tape)

(cont'd)

BC 848C	3k*	SP000010552	SOT23	30	200	420 ... 800	2	5
▼ BC 848C	10x3k*	SP000095914	SOT23	30	200	420 ... 800	2	5
BC 848C	10k*	SP000010582	SOT23	30	200	420 ... 800	2	5
BC 848CW	3k*	SP000010611	SOT323	30	200	420 ... 800	2	5
BC 849B	3k*	SP000010567	SOT23	30	200	200 ... 450	2	5
BC 849C	3k*	SP000010564	SOT23	30	200	420 ... 800	2	5
BC 849CW	3k*	SP000010613	SOT323	30	200	420 ... 800	2	5
BC 850B	3k*	SP000010572	SOT23	45	200	200 ... 450	2	5
▼ BC 850B	9x10k*	SP000223943	SOT23	45	200	200 ... 450	2	5
▼ BC 850B	10x3k*	SP000223897	SOT23	45	200	200 ... 450	2	5
▼ BC 850BF	3k*	SP000012997	TSFP-3	45	200	200 ... 450	2	5
BC 850BW	3k*	SP000010614	SOT323	45	200	200 ... 450	2	5
BC 850C	3k*	SP000010563	SOT23	45	200	420 ... 800	2	5
▼ BC 850C	9x10k*	SP000207342	SOT23	45	200	420 ... 800	2	5
▼ BC 850C	10x3k*	SP000223898	SOT23	45	200	420 ... 800	2	5
BC 850CW	3k*	SP000010615	SOT323	45	200	420 ... 800	2	5
BCW 60B	3k*	SP000010551	SOT23	32	200	180 ... 310	2	5
BCW 60C	3k*	SP000010548	SOT23	32	200	250 ... 460	2	5
BCW 60D	3k*	SP000010549	SOT23	32	200	380 ... 630	2	5
BCW 60FF	3k*	SP000010554	SOT23	32	200	250 ... 460	2	5
BCW 66F	3k*	SP000010504	SOT23	45	1000	100 ... 250	100	1
BCW 66G	3k*	SP000010496	SOT23	45	1000	160 ... 400	100	1
▼ BCW 66G	10k*	SP000010509	SOT23	45	1000	160 ... 400	100	1
BCW 66H	3k*	SP000010499	SOT23	45	1000	250 ... 630	100	1
▼ BCW 66H	10x3k*	SP000010493	SOT23	45	1000	250 ... 630	100	1
BCX 41	3k*	SP000010894	SOT23	125	1000	≥ 63	100	1
BCX 70G	3k*	SP000010555	SOT23	45	200	120 ... 220	2	5
BCX 70H	3k*	SP000010550	SOT23	45	200	180 ... 310	2	5
BCX 70H	10k*	SP000010578	SOT23	45	200	180 ... 310	2	5
BCX 70J	3k*	SP000010556	SOT23	45	200	250 ... 460	2	5
BCX 70J	10k*	SP000010573	SOT23	45	200	250 ... 460	2	5
BCX 70K	3k*	SP000010558	SOT23	45	200	380 ... 630	2	5
BDP 947	1k*	SP000010931	SOT223	45	5000	40 ... 475	500	1
BDP 949	1k*	SP000010932	SOT223	60	5000	40 ... 475	500	1
BDP 953	1k*	SP000010934	SOT223	100	5000	40 ... 475	500	1
■ SMBT 2222A	3k*	SP000011176	SOT23	40	600	100 ... 300	150	10
▼ MMBT 2222A	3k*	SP000011174	SOT23	40	600	100 ... 300	150	10
SMBT 3904	3k*	SP000011673	SOT23	40	200	100 ... 300	10	1
SMBT 3904	10k*	SP000011675	SOT23	40	200	100 ... 300	10	1
▼ SMBT 3904	9x10k*	SP000223947	SOT23	40	200	100 ... 300	10	1
▼ SMBT 3904	10x3k*	SP000223860	SOT23	40	200	100 ... 300	10	1
▼ MMBT 3904	3k*	SP000011671	SOT23	40	200	100 ... 300	10	1
▼ MMBT 3904	10k*	SP000011670	SOT23	40	200	100 ... 300	10	1
SMBTA 06	3k*	SP000011686	SOT23	80	500	≥ 100	100	1
▼ MMBTA 06	3k*	SP000011685	SOT23	80	500	≥ 100	100	1
SMBTA 06	10k*	SP000011688	SOT23	80	500	≥ 100	100	1

* Order unit

SMD = Surface Mounted Device



Silicon Discrete Components

Type	Ordering Code	Package	Maximum Ratings				Resistance Value	
			V_{CEO} V	$V_{I(on)max}$ V	I_C mA	P_{tot} mW	R_1 k Ω	R_2 k Ω

AF Transistors

NPN Digital Transistors (8 mm Tape)

BCR 101L3	15k*	SP000014850	TSLP-3-4	50	50	50	250	100	100
BCR 101T	3k*	SP000014813	SC75	50	50	50	250	100	100
BCR 103F	3k*	SP000014847	TSFP-3	50	10	100	250	2.2	2.2
BCR 103L3	15k*	SP000014756	TSLP-3-4	50	10	100	250	2.2	2.2
BCR 103T	3k*	SP000014757	SC75	50	10	100	250	2.2	2.2
BCR 108	3k*	SP000010736	SOT23	50	10	100	200	2.2	47
BCR 108	10k*	SP000010737	SOT23	50	10	100	200	2.2	47
▼ BCR 108	10x3k*	SP000056348	SOT23	50	10	100	200	2.2	47
BCR 108F	3k*	SP000013046	TSFP-3	50	10	100	250	2.2	47
BCR 108L3	15k*	SP000014758	TSLP-3-4	50	10	100	250	2.2	47
BCR 108T	3k*	SP000012799	SC75	50	10	100	250	2.2	47
BCR 108W	3k*	SP000010746	SOT323	50	10	100	250	2.2	47
BCR 112	3k*	SP000010747	SOT23	50	15	100	200	4.7	4.7
BCR 112F	3k*	SP000014062	TSFP-3	50	15	100	250	4.7	4.7
BCR 112L3	15k*	SP000014852	TSLP-3-4	50	15	100	250	4.7	4.7
BCR 112T	3k*	SP000014126	SC75	50	15	100	250	4.7	4.7
BCR 112W	3k*	SP000010748	SOT323	50	15	100	250	4.7	4.7
BCR 114F	3k*	SP000014848	TSFP-3	50	15	100	250	4.7	10
BCR 114L3	15k*	SP000014851	TSLP-3-4	50	15	100	250	4.7	10
BCR 114T	3k*	SP000014773	SC75	50	15	100	250	4.7	10
BCR 116	3k*	SP000010749	SOT23	50	15	100	200	4.7	47
BCR 116	10k*	SP000010751	SOT23	50	15	100	200	4.7	47
BCR 116F	3k*	SP000013047	TSFP-3	50	15	100	250	4.7	47
BCR 116L3	15k*	SP000014853	TSLP-3-4	50	15	100	250	4.7	47
BCR 116T	3k*	SP000014775	SC75	50	15	100	250	4.7	47
BCR 116W	3k*	SP000012264	SOT323	50	15	100	250	4.7	47
BCR 119	3k*	SP000010752	SOT23	50	15	100	200	4.7	–
▼ BCR 119	10k*	SP000010754	SOT23	50	15	100	200	4.7	–
BCR 119F	3k*	SP000014440	TSFP-3	50	15	100	250	4.7	–
BCR 119L3	15k*	SP000014854	TSLP-3-4	50	15	100	250	4.7	–
BCR 119T	3k*	SP000014774	SC75	50	15	100	250	4.7	–
BCR 119W	3k*	SP000012267	SOT323	50	15	100	250	4.7	–
■ BCR 129	3k*	SP000012520	SOT23	50	20	100	200	10	–
BCR 129F	3k*	SP000014441	TSFP-3	50	20	100	250	10	–
BCR 129L3	15k*	SP000014855	TSLP-3-4	50	20	100	250	10	–
BCR 129T	3k*	SP000012800	SC75	50	20	100	250	10	–
▼ BCR 129W	3k*	SP000014963	SOT323	50	20	100	250	10	–
BCR 133	3k*	SP000010757	SOT23	50	20	100	200	10	10
▼ BCR 133	10k*	SP000010759	SOT23	50	20	100	200	10	10
▼ BCR 133	10x3k*	SP000056346	SOT23	50	20	100	200	10	10
BCR 133F	3k*	SP000014050	TSFP-3	50	20	100	250	10	10
▼ BCR 133F	10x3k*	SP000014049	TSFP-3	50	20	100	250	10	10
BCR 133L3	15k*	SP000013564	TSLP-3-4	50	20	100	250	10	10
BCR 133T	3k*	SP000012801	SC75	50	20	100	250	10	10
■ BCR 133W	3k*	SP000010764	SOT323	50	20	100	250	10	10



* Order unit

SMD = Surface Mounted Device

Silicon Discrete Components

Type	Ordering Code	Package	Maximum Ratings				Resistance Value	
			V_{CEO} V	$V_{I(on)max}$ V	I_C mA	P_{tot} mW	R_1 k Ω	R_2 k Ω

AF Transistors

NPN Digital Transistors (8 mm Tape)

(cont'd)

BCR 135	3k*	SP000010765	SOT23	50	20	100	200	10	47
BCR 135	10k*	SP000010767	SOT23	50	20	100	200	10	47
▼ BCR 135	10x3k*	SP000095915	SOT23	50	20	100	200	10	47
BCR 135F	3k*	SP000013048	TSFP-3	50	20	100	250	10	47
BCR 135L3	15k*	SP000014856	TSLP-3-4	50	20	100	250	10	47
BCR 135T	3k*	SP000012802	SC75	50	20	100	250	10	47
BCR 135W	3k*	SP000010768	SOT323	50	20	100	250	10	47
BCR 139F	3k*	SP000014442	TSFP-3	50	30	100	250	22	–
BCR 139L3	15k*	SP000014857	TSLP-3-4	50	30	100	250	22	–
BCR 139T	3k*	SP000014763	SC75	50	30	100	250	22	–
BCR 141	3k*	SP000010769	SOT23	50	30	100	200	22	22
▼ BCR 141	10k*	SP000010771	SOT23	50	30	100	200	22	22
BCR 141F	3k*	SP000013049	TSFP-3	50	30	100	250	22	22
BCR 141L3	15k*	SP000014858	TSLP-3-4	50	30	100	250	22	22
BCR 141T	3k*	SP000012803	SC75	50	30	100	250	22	22
BCR 141W	3k*	SP000010773	SOT323	50	30	100	250	22	22
BCR 142	3k*	SP000010775	SOT23	50	30	100	200	22	47
▼ BCR 142	10x3k*	SP000010774	SOT23	50	30	100	200	22	47
BCR 142F	3k*	SP000014063	TSFP-3	50	30	100	250	22	47
BCR 142L3	15k*	SP000014859	TSLP-3-4	50	30	100	250	22	47
BCR 142T	3k*	SP000012804	SC75	50	30	100	250	22	47
BCR 142W	3k*	SP000012269	SOT323	50	30	100	250	22	47
BCR 146	3k*	SP000010777	SOT23	50	50	70	200	47	22
BCR 146F	3k*	SP000014443	TSFP-3	50	50	70	250	47	22
BCR 146L3	15k*	SP000014860	TSLP-3-4	50	50	70	250	47	22
BCR 146T	3k*	SP000014776	SC75	50	50	70	250	47	22
BCR 148	3k*	SP000010780	SOT23	50	50	70	200	47	47
▼ BCR 148	10x3k*	SP000056351	SOT23	50	50	70	200	47	47
BCR 148F	3k*	SP000013051	TSFP-3	50	50	70	250	47	47
▼ BCR 148F	10x3k*	SP000013050	TSFP-3	50	50	70	250	47	47
BCR 148L3	15k*	SP000014861	TSLP-3-4	50	50	70	250	47	47
BCR 148T	3k*	SP000012805	SC75	50	50	70	250	47	47
■ BCR 148W	3k*	SP000010783	SOT323	50	50	70	250	47	47
BCR 149F	3k*	SP000014849	TSFP-3	50	50	70	250	47	–
BCR 149L3	15k*	SP000014862	TSLP-3-4	50	50	70	250	47	–
BCR 149 T	3k*	SP000014814	SC75	50	50	70	250	47	–
BCR 503	3k*	SP000010839	SOT23	50	12	500	330	2.2	2.2
▼ BCR 503	10x3k*	SP000056345	SOT23	50	12	500	330	2.2	2.2
BCR 505	3k*	SP000010841	SOT23	50	12	500	330	2.2	10
BCR 512	3k*	SP000010844	SOT23	50	30	500	330	4.7	4.7
▼ BCR 512	10x3k*	SP000056341	SOT23	50	30	500	330	4.7	4.7
▼ BCR 519	3k*	SP000015052	SOT23	50	30	500	330	4.7	–
BCR 521	3k*	SP000010845	SOT23	50	10	500	330	1.0	1.0
BCR 523	3k*	SP000010851	SOT23	50	12	500	330	1.0	10
BCR 523	10k*	SP000010852	SOT23	50	12	500	330	1.0	10
BCR 533	3k*	SP000010853	SOT23	50	40	500	330	10	10

* Order unit

SMD = Surface Mounted Device



Silicon Discrete Components

Type	Ordering Code	Package	Maximum Ratings		Characteristics ($T_A = 25^\circ\text{C}$)			
			V_{CE0} V	I_{CM} mA	f_T MHz	h_{FE} at mA	I_C mA	V_{CE} V

AF Transistors

NPN Transistors (12 mm Tape)

BCP 54	1k*	SP000010707	SOT223	45	1500	125	40 ... 250	150	2
BCP 54-16	1k*	SP000010709	SOT223	45	1500	125	100 ... 250	150	2
BCP 54-16	4k*	SP000010717	SOT223	45	1500	125	100 ... 250	150	2
BCP 55	1k*	SP000010713	SOT223	60	1500	125	40 ... 250	150	2
BCP 55-16	1k*	SP000010711	SOT223	60	1500	125	100 ... 250	150	2
BCP 56-10	1k*	SP000010712	SOT223	80	1500	125	63 ... 160	150	2
▼ BCP 56-10	4k*	SP000010718	SOT223	80	1500	125	63 ... 160	150	2
BCP 56-16	1k*	SP000010706	SOT223	80	1500	125	100 ... 250	150	2
BCP 68-25	1k*	SP000010721	SOT223	20	2000	100	160 ... 375	500	1
BCX 54-16	1k*	SP000010918	SOT89	45	1500	100	100 ... 250	150	2
BCX 55	1k*	SP000010916	SOT89	60	1500	100	40 ... 250	150	2
BCX 55-16	1k*	SP000010920	SOT89	60	1500	100	100 ... 250	150	2
BCX 55-16	4k*	SP000010922	SOT89	60	1500	100	100 ... 250	150	2
BCX 56	1k*	SP000010914	SOT89	80	1500	100	40 ... 250	150	2
BCX 56-10	1k*	SP000010915	SOT89	80	1500	100	63 ... 160	150	2
BCX 56-16	1k*	SP000010913	SOT89	80	1500	100	100 ... 250	150	2
▼ BCX 56-16	4k*	SP000017942	SOT89	80	1500	100	100 ... 250	150	2
BCX 68-10	1k*	SP000010924	SOT89	20	2000	100	85 ... 160	500	1
BCX 68-16	1k*	SP000010925	SOT89	20	2000	100	100 ... 250	500	1
BCX 68-25	1k*	SP000010926	SOT89	20	2000	100	160 ... 375	500	1

4

* Order unit

SMD = Surface Mounted Device

Silicon Discrete Components

Type	Ordering Code	Package	Maximum Ratings		Characteristics ($T_A = 25^\circ\text{C}$)			
			V_{CE0} V	I_{CM} mA	h_{FE}	at	I_C mA	V_{CE} V

AF Transistors

PNP Transistors (8 mm Tape)

BC 807-16	3k*	SP000010474	SOT23	45	1000	100 ... 250	100	1
BC 807-16	10k*	SP000010475	SOT23	45	1000	100 ... 250	100	1
BC 807-16W	3k*	SP000014778	SOT323	45	1000	100 ... 250	100	1
BC 807-25	3k*	SP000010472	SOT23	45	1000	160 ... 400	100	1
BC 807-25	10k*	SP000010478	SOT23	45	1000	160 ... 400	100	1
▼ BC 807-25	9x10k*	SP000223932	SOT23	45	1000	160 ... 400	100	1
▼ BC 807-25	10x3k*	SP000223880	SOT23	45	1000	160 ... 400	100	1
BC 807-25W	3k*	SP000014779	SOT323	45	1000	160 ... 400	100	1
BC 807-40	3k*	SP000010473	SOT23	45	1000	250 ... 630	100	1
BC 807-40	10k*	SP000010477	SOT23	45	1000	250 ... 630	100	1
▼ BC 807-40	9x10k*	SP000223933	SOT23	45	1000	250 ... 630	100	1
▼ BC 807-40	10x3k*	SP000223878	SOT23	45	1000	250 ... 630	100	1
BC 807-40W	3k*	SP000014688	SOT323	45	1000	250 ... 630	100	1
BC 807-40W	10k*	SP000014689	SOT323	45	1000	250 ... 630	100	1
BC 808-25	3k*	SP000015031	SOT23	25	1000	160 ... 400	100	1
BC 808-25	10k*	SP000015033	SOT23	25	1000	160 ... 400	100	1
BC 808-25W	3k*	SP000014777	SOT323	25	1000	160 ... 400	100	1
BC 808-40	3k*	SP000015032	SOT23	25	1000	250 ... 630	100	1
▼ BC 808-40	10x3k*	SP000095913	SOT23	25	1000	250 ... 630	100	1
BC 808-40W	3k*	SP000010462	SOT323	25	1000	250 ... 630	100	1
BC 856A	3k*	SP000012934	SOT23	65	200	125 ... 250	2	5
BC 856B	3k*	SP000012935	SOT23	65	200	220 ... 475	2	5
BC 856B	10k*	SP000012936	SOT23	65	200	220 ... 475	2	5
BC 856BW	3k*	SP000012943	SOT323	65	200	220 ... 475	2	5
BC 856BW	10k*	SP000012945	SOT323	65	200	220 ... 475	2	5
BC 857A	3k*	SP000010639	SOT23	45	200	125 ... 250	2	5
BC 857B	3k*	SP000010633	SOT23	45	200	220 ... 475	2	5
BC 857B	10k*	SP000010648	SOT23	45	200	220 ... 475	2	5
▼ BC 857B	9x10k*	SP000223944	SOT23	45	200	220 ... 475	2	5
▼ BC 857B	10x3k*	SP000223899	SOT23	45	200	220 ... 475	2	5
BC 857BF	3k*	SP000012999	TSFP-3	45	200	220 ... 475	2	5
BC 857BL3	3k*	SP000013556	TSPL-3-1	45	200	220 ... 475	2	5
BC 857BT	3k*	SP000012404	SC75	65	200	220 ... 475	2	5
■ BC 857BW	3k*	SP000010672	SOT323	45	200	220 ... 475	2	5
BC 857C	3k*	SP000010640	SOT23	45	200	420 ... 800	2	5
BC 857C	10k*	SP000010660	SOT23	45	200	420 ... 800	2	5
▼ BC 857C	9x10k*	SP000223945	SOT23	45	200	420 ... 800	2	5
▼ BC 857C	10x3k*	SP000223900	SOT23	45	200	420 ... 800	2	5
BC 857CW	3k*	SP000010673	SOT323	45	200	420 ... 800	2	5
BC 857CW	10k*	SP000010682	SOT323	45	200	420 ... 800	2	5
BC 858A	3k*	SP000010636	SOT23	30	200	125 ... 250	2	5
BC 858B	3k*	SP000010634	SOT23	30	200	220 ... 475	2	5
BC 858B	10k*	SP000010652	SOT23	30	200	220 ... 475	2	5
BC 858BL3	3k*	SP000013555	TSPL-3-1	30	200	220 ... 475	2	5
BC 858BW	3k*	SP000010675	SOT323	30	200	220 ... 475	2	5

4

* Order unit

SMD = Surface Mounted Device

Silicon Discrete Components

Type	Ordering Code	Package	Maximum Ratings		Characteristics ($T_A = 25^\circ\text{C}$)			
			V_{CE0} V	I_{CM} mA	h_{FE}	at	I_C mA	V_{CE} V

AF Transistors

PNP Transistors (8 mm Tape)

(cont'd)

BC 858C	3k*	SP000010624	SOT23	30	200	420 ... 800	2	5
BC 858C	10k*	SP000010654	SOT23	30	200	420 ... 800	2	5
BC 858CW	3k*	SP000010676	SOT323	30	200	420 ... 800	2	5
BC 859C	3k*	SP000010637	SOT23	30	200	420 ... 800	2	5
BC 860B	3k*	SP000010642	SOT23	45	200	220 ... 475	2	5
▼ BC 860BF	3k*	SP000013002	TSFP-3	45	200	220 ... 475	2	5
BC 860BW	3k*	SP000010680	SOT323	45	200	220 ... 475	2	5
▼ BC 860C	9x10k*	SP000223946	SOT23	45	200	420 ... 800	2	5
▼ BC 860C	10x3k*	SP000223901	SOT23	45	200	420 ... 800	2	5
BC 860CW	3k*	SP000010681	SOT323	45	200	420 ... 800	2	5
BCW 61A	3k*	SP000010621	SOT23	32	200	120 ... 220	2	5
BCW 61B	3k*	SP000010629	SOT23	32	200	180 ... 310	2	5
BCW 61C	3k*	SP000010622	SOT23	32	200	250 ... 460	2	5
BCW 61D	3k*	SP000010627	SOT23	32	200	380 ... 630	2	5
BCW 67A	3k*	SP000015036	SOT23	32	1000	100 ... 250	100	1
BCW 67B	3k*	SP000015035	SOT23	32	1000	160 ... 400	100	1
BCW 67C	3k*	SP000015037	SOT23	32	1000	250 ... 630	100	1
BCW 68F	3k*	SP000015041	SOT23	45	1000	100 ... 250	100	1
BCW 68G	3k*	SP000015039	SOT23	45	1000	160 ... 400	100	1
BCW 68H	3k*	SP000015040	SOT23	45	1000	250 ... 630	100	1
BCX 42	3k*	SP000010900	SOT23	125	1000	≥ 63	100	1
BCX 42	10k*	SP000010902	SOT23	125	1000	≥ 63	100	1
BCX 71G	3k*	SP000010623	SOT23	45	200	120 ... 220	2	5
BCX 71H	3k*	SP000010631	SOT23	45	200	180 ... 310	2	5
BCX 71J	3k*	SP000010625	SOT23	45	200	250 ... 460	2	5
BCX 71J	10k*	SP000010647	SOT23	45	200	250 ... 460	2	5
BCX 71K	3k*	SP000010632	SOT23	45	200	380 ... 630	2	5
BDP 948	1k*	SP000010938	SOT223	45	5000	40 ... 475	500	1
BDP 948	4k*	SP000010943	SOT223	45	5000	40 ... 475	500	1
BDP 950	1k*	SP000010939	SOT223	60	5000	40 ... 475	500	1
BDP 954	1k*	SP000010941	SOT223	100	5000	40 ... 475	500	1
■ SMBT 2907A	3k*	SP000011181	SOT23	60	600	100 ... 300	150	10
▼ MMBT 2907A	3k*	SP000011179	SOT23	60	600	100 ... 300	150	10
■ SMBT 3906	3k*	SP000011680	SOT23	40	200	100 ... 300	10	1
▼ SMBT 3906	3k*	SP000084312	SOT23	40	200	100 ... 300	10	1
SMBT 3906 E-6767	3k*	SP000011677	SOT23	40	200	100 ... 300	10	1
▼ SMBT 3906	9x10k*	SP000223948	SOT23	40	200	100 ... 300	10	1
▼ SMBT 3906	10x3k*	SP000223858	SOT23	40	200	100 ... 300	10	1
▼ MMBT 3906	3k*	SP000011678	SOT23	40	200	100 ... 300	10	1
SMBTA 56	3k*	SP000011692	SOT23	80	500	≥ 100	100	1
▼ MMBTA 56	3k*	SP000011691	SOT23	80	500	≥ 100	100	1
SMBTA 56	10k*	SP000011695	SOT23	80	500	≥ 100	100	1

* Order unit

SMD = Surface Mounted Device



Silicon Discrete Components

Type	Ordering Code	Package	Maximum Ratings				Resistance Values	
			V_{CEO}	$V_{I(on)max}$	I_C	P_{tot}	R_1	R_2
			V	V	mA	mW	kΩ	kΩ

AF Transistors

PNP Digital Transistors (8 mm Tape)

BCR 151F	3k*	SP000014863	TSFP-3	50	50	50	250	100	100
BCR 151L3	15k*	SP000014865	TSLP-3-4	50	50	50	250	100	100
BCR 151T	3k*	SP000014815	SC75	50	50	50	250	100	100
BCR 153F	3k*	SP000014444	TSFP-3	50	10	100	250	2.2	2.2
BCR 153L3	15k*	SP000014866	TSLP-3-4	50	10	100	250	2.2	2.2
BCR 153T	3k*	SP000014764	SC75	50	10	100	250	2.2	2.2
BCR 158	3k*	SP000010784	SOT23	50	10	100	200	2.2	47
▼ BCR 158	10x3k*	SP000056353	SOT23	50	10	100	200	2.2	47
BCR 158F	3k*	SP000013053	TSFP-3	50	10	100	250	2.2	47
BCR 158L3	15k*	SP000014867	TSLP-3-4	50	10	100	250	2.2	47
BCR 158T	3k*	SP000012806	SC75	50	10	100	250	2.2	47
BCR 158W	3k*	SP000012761	SOT323	50	10	100	250	2.2	47
▼ BCR 158W	10x3k*	SP000056347	SOT323	50	10	100	250	2.2	47
BCR 162	3k*	SP000010785	SOT23	50	15	100	200	4.7	4.7
▼ BCR 162	10x3k*	SP000056352	SOT23	50	15	100	200	4.7	4.7
BCR 162F	3k*	SP000014445	TSFP-3	50	15	100	250	4.7	4.7
BCR 162L3	15k*	SP000014868	TSLP-3-4	50	15	100	250	4.7	4.7
BCR 162T	3k*	SP000012545	SC75	50	15	100	250	4.7	4.7
BCR 164F	3k*	SP000014864	TSFP-3	50	15	100	250	4.7	10
BCR 164L3	15k*	SP000014869	TSLP-3-4	50	15	100	250	4.7	10
BCR 164T	3k*	SP000014817	SC75	50	15	100	250	4.7	10
BCR 166	3k*	SP000010788	SOT23	50	15	100	200	4.7	47
BCR 166	10k*	SP000010791	SOT23	50	15	100	200	4.7	47
▼ BCR 166	10x3k*	SP000056344	SOT23	50	15	100	200	4.7	47
BCR 166F	3k*	SP000014446	TSFP-3	50	15	100	250	4.7	47
BCR 166L3	15k*	SP000014870	TSLP-3-4	50	15	100	250	4.7	47
BCR 166T	3k*	SP000014766	SC75	50	15	100	250	4.7	47
BCR 166W	3k*	SP000012875	SOT323	50	15	100	250	4.7	47
BCR 169	3k*	SP000010793	SOT23	50	15	100	200	4.7	–
BCR 169F	3k*	SP000014447	TSFP-3	50	15	100	250	4.7	–
BCR 169L3	15k*	SP000014871	TSLP-3-4	50	15	100	250	4.7	–
BCR 169T	3k*	SP000014767	SC75	50	15	100	250	4.7	–
BCR 169W	3k*	SP000012271	SOT323	50	15	100	250	4.7	–
BCR 179F	3k*	SP000014791	TSFP-3	50	20	100	250	10	–
BCR 179L3	15k*	SP000014872	TSLP-3-4	50	20	100	250	10	–
BCR 179T	3k*	SP000014768	SC75	50	20	100	250	10	–
■ BCR 183	3k*	SP000010794	SOT23	50	20	100	200	10	10
BCR 183	10k*	SP000010796	SOT23	50	20	100	200	10	10
▼ BCR 183	10x3k*	SP000057461	SOT23	50	20	100	200	10	10
BCR 183F	3k*	SP000012994	TSFP-3	50	20	100	250	10	10
BCR 183L3	15k*	SP000013565	TSLP-3-4	50	20	100	250	10	10
BCR 183T	3k*	SP000012807	SC75	50	20	100	250	10	10
BCR 183W	3k*	SP000010805	SOT323	50	20	100	250	10	10
■ BCR 185	3k*	SP000010806	SOT23	50	20	100	200	10	47
▼ BCR 185	10k*	SP000010807	SOT23	50	20	100	200	10	47



* Order unit

SMD = Surface Mounted Device

Silicon Discrete Components

Type	Ordering Code	Package	Maximum Ratings				Resistance Values	
			V_{CEO} V	$V_{I(on)max}$ V	I_C mA	P_{tot} mW	R_1 kΩ	R_2 kΩ

AF Transistors

PNP Digital Transistors (8 mm Tape) (cont'd)

BCR 185F	3k*	SP000013054	TSFP-3	50	20	100	250	10	47
BCR 185L3	15k*	SP000014873	TSLP-3-4	50	20	100	250	10	47
BCR 185T	3k*	SP000014106	SC75	50	20	100	250	10	47
BCR 185W	3k*	SP000010808	SOT323	50	20	100	250	10	47
BCR 189F	3k*	SP000014448	TSFP-3	50	30	100	250	22	–
BCR 189L3	15k*	SP000014874	TSLP-3-4	50	30	100	250	22	–
BCR 189T	3k*	SP000014818	SC75	50	30	100	250	22	–
■ BCR 191	3k*	SP000010810	SOT23	50	30	100	200	22	22
BCR 191F	3k*	SP000014065	TSFP-3	50	30	100	250	22	22
BCR 191L3	15k*	SP000014875	TSLP-3-4	50	30	100	250	22	22
BCR 191T	3k*	SP000014789	SC75	50	30	100	250	22	22
BCR 191W	3k*	SP000012275	SOT323	50	30	100	250	22	22
BCR 192	3k*	SP000010812	SOT23	50	30	100	200	22	47
▼ BCR 192	10x3k*	SP000056349	SOT23	50	30	100	200	22	47
BCR 192F	3k*	SP000014066	TSFP-3	50	30	100	250	22	47
BCR 192L3	15k*	SP000014876	TSLP-3-4	50	30	100	250	22	47
BCR 192T	3k*	SP000012808	SC75	50	30	100	250	22	47
BCR 192W	3k*	SP000010816	SOT323	50	30	100	250	22	47
BCR 196	3k*	SP000014762	SOT23	50	50	70	250	47	22
BCR 196F	3k*	SP000014449	TSFP-3	50	50	70	250	47	22
BCR 196L3	15k*	SP000014877	TSLP-3-4	50	50	70	250	47	22
BCR 196T	3k*	SP000014765	SC75	50	50	70	250	47	22
BCR 196W	3k*	SP000018040	SOT323	50	50	70	250	47	22
■ BCR 198	3k*	SP000010817	SOT23	50	50	70	200	47	47
▼ BCR 198	10k*	SP000010820	SOT23	50	50	70	200	47	47
▼ BCR 198	10x3k*	SP000056350	SOT23	50	50	70	200	47	47
BCR 198F	3k*	SP000013055	TSFP-3	50	50	70	250	47	47
BCR 198L3	15k*	SP000014878	TSLP-3-4	50	50	70	250	47	47
BCR 198T	3k*	SP000013045	SC75	50	50	70	250	47	47
BCR 198W	3k*	SP000010824	SOT323	50	50	70	250	47	47
BCR 199F	3k*	SP000014879	TSFP-3	50	50	70	250	47	–
BCR 199L3	15k*	SP000014880	TSLP-3-4	50	50	70	250	47	–
BCR 199T	3k*	SP000014816	SC75	50	50	70	250	47	–
BCR 553	3k*	SP000010854	SOT23	50	12	500	330	2.2	2.2
BCR 555	3k*	SP000010855	SOT23	50	10	500	330	2.2	10
BCR 555	10k*	SP000010857	SOT23	50	10	500	330	2.2	10
BCR 562	3k*	SP000010859	SOT23	50	30	500	330	4.7	4.7
▼ BCR 569	3k*	SP000015053	SOT23	50	30	500	330	4.7	–
BCR 573	3k*	SP000010861	SOT23	50	12	500	330	1	10
▼ BCR 573	10k*	SP000010860	SOT23	50	12	500	330	1	10
BCR 583	3k*	SP000012278	SOT23	50	20	500	330	10	10

4

* Order unit

SMD = Surface Mounted Device

Silicon Discrete Components

Type	Ordering Code	Package	Maximum Ratings			
			V_{CC}	V_{drop}	at I_d	P_{tot}
			V	V	mA	mW

Monolithic ICs

LED Driver (8 mm Tape)

BCR 401R	3k*	SP000013678	SOT143	18	75	10	330
BCR 402R	3k*	SP000013057	SOT143	18	75	20	330
BCR 402U	3k*	SP000013482	SC74	40	0.8	20	500
BCR 405U	3k*	SP000013481	SC74	40	0.8	20	500

SSICs Active Bias Controller (8 mm Tape)

BCR 400W	3k*	SP000010834	SOT343	18	0.65	1	330
BCR 410W	3k*	SP000012946	SOT343	18	0.11	0.2	100

Type	Ordering Code	Package	Maximum Ratings		Characteristics ($T_A = 25^\circ\text{C}$)			
			V_{CEO}	I_{CM}	h_{FE}	at	I_C	V_{CE}
			V	mA			mA	V

AF Transistors

PNP Transistors (12 mm Tape)

BCP 51	1k*	SP000010692	SOT223	45	1500	40 ... 250	150	2
▼ BCP 51-10	1k*	SP000010693	SOT223	45	1500	63 ... 160	150	2
BCP 51-16	1k*	SP000010694	SOT223	45	1500	100 ... 250	150	2
BCP 51-16	4k*	SP000010703	SOT223	45	1500	100 ... 250	150	2
BCP 52-16	1k*	SP000010696	SOT223	60	1500	100 ... 250	150	2
BCP 53-10	1k*	SP000010697	SOT223	100	1500	63 ... 160	150	2
BCP 53-16	1k*	SP000010698	SOT223	100	1500	100 ... 250	150	2
▼ BCP 53-16	4k*	SP000010702	SOT223	100	1500	100 ... 250	150	2
BCP 69-16	1k*	SP000015153	SOT223	20	2000	100 ... 250	500	1
BCP 69-25	1k*	SP000015154	SOT223	20	2000	160 ... 375	500	1
▼ BCP 69 US	3k*	SP000013957	SC74	20	1000	100 ... 250	500	1
BCX 51	1k*	SP000014826	SOT89	45	1500	40 ... 250	150	2
▼ BCX 51-10	1k*	SP000014825	SOT89	45	1500	63 ... 160	150	2
BCX 51-16	1k*	SP000014827	SOT89	45	1500	100 ... 250	150	2
BCX 52	1k*	SP000014828	SOT89	60	1500	40 ... 250	150	2
BCX 52-16	1k*	SP000014830	SOT89	60	1500	100 ... 250	150	2
BCX 53	1k*	SP000010906	SOT89	80	1500	40 ... 250	150	2
BCX 53-10	1k*	SP000010908	SOT89	80	1500	63 ... 160	150	2
BCX 53-16	1k*	SP000010907	SOT89	80	1500	100 ... 250	150	2
BCX 53-16	4k*	SP000010909	SOT89	80	1500	100 ... 250	150	2
BCX 69-10	1k*	SP000010928	SOT89	20	2000	85 ... 160	500	1
BCX 69-16	1k*	SP000010929	SOT89	20	2000	100 ... 250	500	1
BCX 69-25	1k*	SP000010930	SOT89	20	2000	160 ... 375	500	1

* Order unit

SMD = Surface Mounted Device



Silicon Discrete Components

Type	Ordering Code	Package	Maximum Ratings		Characteristics ($T_A = 25^\circ\text{C}$)				
			V_{CEO} V	I_{CM} mA	f_T MHz	h_{FE} at	I_C mA	V_{CE} V	

AF Transistors

NPN Darlington Transistors (8 mm Tape)

BCV 27	3k*	SP000010865	SOT23	30	800	170	≥ 20000	100	5
▼ BCV 27	10k*	SP000010869	SOT23	30	800	170	≥ 20000	100	5
BCV 47	3k*	SP000010866	SOT23	60	800	170	≥ 10000	100	5
▼ BCV 47	10k*	SP000010864	SOT23	60	800	170	≥ 10000	100	5
SMBTA 14	3k*	SP000010872	SOT23	30	500	≥ 125	≥ 20000	100	5
▼ MMBTA 14	3k*	SP000010862	SOT23	30	500	≥ 125	≥ 20000	100	5

PNP Darlington Transistors (8 mm Tape)

BCV 26	3k*	SP000010874	SOT23	30	500	200	≥ 20000	100	5
BCV 46	3k*	SP000010873	SOT23	60	500	170	≥ 10000	100	5

NPN Darlington Transistors (12 mm Tape)

BCP 49	1k*	SP000010685	SOT223	60	800	200	≥ 10000	100	5
BCV 29	1k*	SP000010883	SOT89	30	800	150	≥ 20000	100	5
BCV 49	1k*	SP000010882	SOT89	60	800	150	≥ 10000	100	5
BSP 50	1k*	SP000011126	SOT223	45	2000	200	≥ 2000	500	10
BSP 51	1k*	SP000011127	SOT223	60	2000	200	≥ 2000	500	10
BSP 52	1k*	SP000011128	SOT223	80	2000	200	≥ 2000	500	10
PZTA 14	1k*	SP000010688	SOT223	30	500	≥ 125	≥ 20000	100	5
PZTA 14	4k*	SP000010689	SOT223	30	500	≥ 125	≥ 20000	100	5

PNP Darlington Transistors (12 mm Tape)

BCV 28	1k*	SP000010879	SOT89	30	800	200	≥ 20000	100	5
BCV 48	1k*	SP000010880	SOT89	60	800	200	≥ 10000	100	5
BSP 60	1k*	SP000011131	SOT223	45	2000	200	≥ 2000	500	10
▼ BSP 60	4k*	SP000011135	SOT223	45	2000	200	≥ 2000	500	10
BSP 61	1k*	SP000011132	SOT223	60	2000	200	≥ 2000	500	10
BSP 62	1k*	SP000011133	SOT223	80	2000	200	≥ 2000	500	10

4

* Order unit

SMD = Surface Mounted Device

Silicon Discrete Components

Type	Ordering Code	Package	Maximum Ratings		Characteristics ($T_A = 25^\circ\text{C}$)				
			V_{CE0} V	I_{CM} mA	f_T MHz	h_{FE} at	I_C mA	V_{CE} V	

AF Transistors

NPN High Voltage Transistors (8 mm Tape)

BFN 24	3k*	SP000014784	SOT23	250	500	70	≥ 40	30	10
BFN 26	3k*	SP000014785	SOT23	300	500	70	≥ 30	30	10
BFN 26	10k*	SP000014786	SOT23	300	500	70	≥ 30	30	10
SMBTA 42	3k*	SP000011000	SOT23	300	500	70	≥ 40	30	10
▼ MMBTA 42	3k*	SP000010999	SOT23	300	500	70	≥ 40	30	10
SMBTA 42	10k*	SP000011001	SOT23	300	500	70	≥ 40	30	10

PNP High Voltage Transistors (8 mm Tape)

BFN 27	3k*	SP000014782	SOT23	300	500	100	≥ 30	30	10
SMBTA 92	3k*	SP000011004	SOT23	300	500	100	≥ 25	30	10
▼ MMBTA 92	3k*	SP000011002	SOT23	300	500	100	≥ 25	30	10
SMBTA 92	10k*	SP000011005	SOT23	300	500	100	≥ 25	30	10
▼ PZTA 92	1k*	SP000011008	SOT223	300	500	100	≥ 25	30	10
▼ PZTA 92	4k*	SP000011009	SOT223	300	500	100	≥ 25	30	10

NPN High Voltage Transistors (12 mm Tape)

BFN 18	1k*	SP000010997	SOT89	300	500	70	≥ 30	30	10
BFN 38	1k*	SP000011006	SOT223	300	500	70	≥ 30	30	10
PZTA 42	1k*	SP000014780	SOT223	300	500	70	≥ 40	30	10

PNP High Voltage Transistors (12 mm Tape)

BFN 19	1k*	SP000010998	SOT89	300	500	100	≥ 30	30	10
BFN 39	1k*	SP000014781	SOT223	300	500	100	≥ 30	30	10

4

* Order unit

SMD = Surface Mounted Device

Silicon Discrete Components

Type	Ordering Code	Package	Maximum Ratings				Resistance Values	
			V_{CEO}	$V_{I(on)max}$	I_C	P_{tot}	R_1	R_2
			V	V	mA	mW	k Ω	k Ω

AF Transistors

Dual Digital Transistor Arrays NPN/PNP (8 mm Tape)

BCR 08PN	3k*	SP000010727	SOT363	50	50	100	250	2.2	47
▼ BCR 08PN	10k*	SP000083564	SOT363	50	50	100	250	2.2	47
▼ BCR 08PN	10x3k*	SP000010726	SOT363	50	50	100	250	2.2	47
BCR 10PN	3k*	SP000010732	SOT363	50	25	100	250	10	10
▼ BCR 10PN	10x3k*	SP000010731	SOT363	50	25	100	250	10	10
BCR 22PN	3k*	SP000010826	SOT363	50	30	100	250	22	22
BCR 22PN	10k*	SP000010827	SOT363	50	30	100	250	22	22
BCR 35PN	3k*	SP000010831	SOT363	50	20	100	250	10	47
BCR 35PN	10k*	SP000010832	SOT363	50	20	100	250	10	47
BCR 48PN	3k*	SP000010836	SOT363	50	50/10	100	250	47/2.2	47/47
▼ BCR 48PN	10k*	SP000010837	SOT363	50	50/10	100	250	47/2.2	47/47

Dual Digital Transistor Arrays NPN (8 mm Tape)

BCR 108S	3k*	SP000010743	SOT363	50	10	100	250	2.2	47
BCR 108S	10k*	SP000010740	SOT363	50	10	100	250	2.2	47
BCR 116S	3k*	SP000012266	SOT363	50	15	100	250	4.7	47
BCR 119S	3k*	SP000012331	SOT363	50	15	100	250	4.7	–
BCR 119S	10k*	SP000012332	SOT363	50	15	100	250	4.7	–
BCR 129S	3k*	SP000010755	SOT363	50	20	100	250	10	–
BCR 133S	3k*	SP000010761	SOT363	50	20	100	250	10	10
▼ BCR 133S	10x3k*	SP000056343	SOT363	50	20	100	250	10	10
BCR 133S	10k*	SP000010763	SOT363	50	20	100	250	10	10
BCR 135S	3k*	SP000012335	SOT363	50	20	100	250	10	47
BCR 141S	3k*	SP000012336	SOT363	50	30	100	250	22	22
BCR 148S	3k*	SP000012338	SOT363	50	50	70	250	47	47
BCR 148S	10k*	SP000012339	SOT363	50	50	70	250	47	47
BCR 169S	3k*	SP000012272	SOT363	50	15	100	250	4.7	–
BCR 183S	3k*	SP000010802	SOT363	50	20	100	250	10	10
BCR 183S	10k*	SP000010804	SOT363	50	20	100	250	10	10
BCR 185S	3k*	SP000012273	SOT363	50	20	100	250	10	47
▼ BCR 185S	10x3k*	SP000056342	SOT363	50	20	100	250	10	47
BCR 198S	3k*	SP000010822	SOT363	50	50	70	250	47	47
BCR 523U	3k*	SP000013381	SC74	50	12	500	330	1.0	10

4

* Order unit

SMD = Surface Mounted Device

Silicon Discrete Components

Type	Ordering Code	Package	Maximum Ratings		Characteristics ($T_A = 25^\circ\text{C}$)				
			V_{CEO}	I_{CM}	f_T	h_{FE}	at	I_{C}	V_{CE}
			V	mA	MHz			mA	V

AF Transistors

NPN Double Transistors (8 mm Tape)

BCV 61A	3k*	SP000010885	SOT143	30	200	250	110 ... 220	100	5
BCV 61B	3k*	SP000010886	SOT143	30	200	250	200 ... 450	100	5
BCV 61C	3k*	SP000010887	SOT143	30	200	250	420 ... 800	100	5

PNP Double Transistors (8 mm Tape)

BCV 62A	3k*	SP000010889	SOT143	30	200	250	125 ... 220	100	5
BCV 62B	3k*	SP000010890	SOT143	30	200	250	220 ... 475	100	5
BCV 62B	10k*	SP000010893	SOT143	30	200	250	220 ... 475	100	5
BCV 62C	3k*	SP000010891	SOT143	30	200	250	420 ... 800	100	5

Dual Transistor Arrays NPN/PNP (8 mm Tape)

BC 817UPN	3k*	SP000012398	SC74	45	1000	170	160 ... 400	100	1
BC 817UPN	10x3k*	SP000056357	SC74	45	1000	170	160 ... 400	100	1
BC 846PN	3k*	SP000010518	SOT363	65	200	250	200 ... 450	2	5
BC 846UPN	3k*	SP000012621	SC74	65	200	250	200 ... 450	2	5
BC 847PN	3k*	SP000010593	SOT363	45	200	250	110 ... 630	2	5
BC 847PN	10x3k*	SP000056358	SOT363	45	200	250	110 ... 630	2	5
BC 847PN	10k*	SP000010594	SOT363	45	200	250	110 ... 630	2	5
SMBT 3904PN	3k*	SP000014740	SOT363	40	200	250	100 ... 300	10	1
SMBT 3904UPN	3k*	SP000012617	SC74	40	200	250	100 ... 300	10	1
SMBTA 06UPN	3k*	SP000012393	SC74	80	500	100	≥100	10	1

Dual Transistor Arrays NPN (8 mm Tape)

BC 817U	3k*	SP000012394	SC74	45	1000	170	160 ... 400	100	1
BC 846S	3k*	SP000010521	SOT363	65	200	250	200 ... 450	2	5
BC 846S	10k*	SP000010522	SOT363	65	200	250	200 ... 450	2	5
BC 846U	3k*	SP000012619	SC74	65	100	250	200 ... 450	2	5
BC 847S	3k*	SP000010598	SOT363	45	200	250	110 ... 630	2	5
BC 847S	10k*	SP000010599	SOT363	45	200	250	110 ... 630	2	5
BCM 846S	3k*	SP000013958	SOT363	65	200	250	200 ... 650	2	5
SMBT 3904S	3k*	SP000014737	SOT363	40	200	250	100 ... 300	10	1
SMBT 3904U	3k*	SP000012615	SC74	40	200	300	100 ... 300	10	1

Dual Transistor Arrays PNP (8 mm Tape)

BC 807U	3k*	SP000012395	SC74	45	500	200	160 ... 400	100	1
BC 856S	3k*	SP000012942	SOT363	65	200	250	200 ... 475	2	5
BC 856S	10k*	SP000012941	SOT363	65	200	250	200 ... 475	2	5
BC 856U	3k*	SP000012620	SC74	65	100	250	200 ... 650	2	5
BC 857S	3k*	SP000010666	SOT363	45	200	250	200 ... 630	2	5
BC 857S	10k*	SP000010667	SOT363	45	200	250	200 ... 630	2	5
BCM 856S	3k*	SP000014127	SOT363	65	200	250	200 ... 450	2	5
SMBT 3906S	3k*	SP000016694	SOT363	40	200	250	100 ... 300	10	1
SMBT 3906U	3k*	SP000012616	SC74	40	200	250	100 ... 300	10	1

* Order unit

SMD = Surface Mounted Device



Silicon Discrete Components

Type	Ordering Code	Package	Maximum Ratings		Characteristics ($T_A = 25^\circ\text{C}$)			
			V_R V	I_F mA	C_T pF	at V_R V	r_f Ω	at I_F mA

RF Diodes

Switch Diodes (8 mm Tape)

BAR 81W	3k*	SP000010192	SOT343	30	100	0.60	1	0.70	5
BAT 18-04	3k*	SP000010290	SOT23	35	100	0.92	1	0.40	5
BAT 18-05	3k*	SP000010291	SOT23	35	100	0.92	1	0.40	5

Type	Ordering Code	Package	Maximum Ratings		Characteristics ($T_A = 25^\circ\text{C}$)		
			V_R V	I_F mA	V_F mV	at I_F mA	

Schottky Diodes (8 mm Tape)

BAS 125-04W (Dual)	3k*	SP000012255	SOT323	25	100	385	1
BAS 125-05W (Dual)	3k*	SP000012256	SOT323	25	100	385	1
BAS 125-06W (Dual)	3k*	SP000012257	SOT323	25	100	385	1
BAS 125-07W (Dual)	3k*	SP000010198	SOT343	25	100	385	1
BAT 15-02LRH	15k*	SP000055124	TSLP-2-7	4	110	230	1
BAT 15-03W	3k*	SP000010272	SOD323	4	110	230	1
BAT 15-04W (Dual)	3k*	SP000012598	SOT323	4	110	230	1
BAT 15-05W (Dual)	3k*	SP000012597	SOT323	4	110	230	1
BAT 15-07LRH	15k*	SP000055813	TSLP-4-7	4	110	230	1
BAT 15-098LRH	15k*	SP000055342	TSLP-4-7	4	110	230	1
BAT 15-099 (Dual)	3k*	SP000010273	SOT143	4	110	230	1
BAT 15-099 (Dual)	10k*	SP000010275	SOT143	4	110	230	1
BAT 15-099LRH	15k*	SP000055343	TSLP-4-7	4	110	230	1
BAT 15-099R (Quad)	3k*	SP000010276	SOT143	-	110	230	1
BAT 17	3k*	SP000010280	SOT23	4	130	340	0.1
BAT 17-04 (Dual)	3k*	SP000010283	SOT23	4	130	340	0.1
BAT 17-04W (Dual)	3k*	SP000012242	SOT323	4	130	340	1
BAT 17-05 (Dual)	3k*	SP000010285	SOT23	4	130	340	0.1
BAT 17-05W (Dual)	3k*	SP000012243	SOT323	4	130	340	1
BAT 17-06W (Dual)	3k*	SP000012244	SOT323	4	130	340	1
BAT 17-07 (Dual)	3k*	SP000010289	SOT143	4	130	350	0.1
BAT 60A	3k*	SP000010294	SOD323	10	3000	120	10
BAT 60B	3k*	SP000010296	SOD323	10	3000	240	10
BAT 60B	10k*	SP000010297	SOD323	10	3000	240	10
BAT 68	3k*	SP000012514	SOT23	8	130	320	1
BAT 68-04 (Dual)	3k*	SP000010320	SOT23	8	130	320	1
BAT 68-04W (Dual)	3k*	SP000012246	SOT323	8	130	320	1
BAT 68-06 (Dual)	3k*	SP000010322	SOT23	8	130	320	1
BAT 68-06W (Dual)	3k*	SP000012245	SOT323	8	130	320	1
BAT 68-07W (Dual)	3k*	SP000010324	SOT343	8	130	320	1

* Order unit

SMD = Surface Mounted Device



Silicon Discrete Components

Type	Ordering Code	Package	Maximum Ratings		Characteristics ($T_A = 25^\circ\text{C}$)		
			V_R V	I_F mA	V_F mV	at	I_F mA

RF Diodes

Schottky-Detector Diodes (8 mm Tape)

BAT 62	3k*	SP000010300	SOT143	40	20	580	2
BAT 62-02L	3k*	SP000016963	TSLP-2-1	40	20	580	2
BAT 62-02W	3k*	SP000010301	SCD80	40	20	580	2
BAT 62-03W	3k*	SP000010303	SOD323	40	20	580	2
BAT 62-07L4 (Dual)	15k*	SP000013970	TSLP-4-4	40	20	580	2
▼ BAT 62-07L4 (Dual)	50k*	SP000077202	TSLP-4-4	40	20	580	2
BAT 62-07W (Dual)	3k*	SP000010304	SOT-343	40	20	580	2
BAT 62-09S (Dual)	3k*	SP000055207	SOT363	40	20	580	2
BAT 63-07W	3k*	SP000010306	SOT343	3	100	190	1

Schottky Diodes Arrays

BAT 68-08S	3k*	SP000012460	SOT363	8	130	318	1
------------	-----	-------------	--------	---	-----	-----	---

4

Type	Ordering Code	Package	Maximum Ratings		Characteristics ($T_A = 25^\circ\text{C}$)			
			$V_{R\text{ max}}$ V	$I_{F\text{ max}}$ mA	C_T pF	at	V_R V	r_F Ω

PIN Diodes (8 mm Tape)

BA 592	3k*	SP000010141	SOD323	35	100	0.85	3	0.36	10
BA 592	10k*	SP000010142	SOD323	35	100	0.85	3	0.36	10
■ BA 595	3k*	SP000010146	SOD323	50	50	0.26	10	5.00	10
▼ BA 595	10x3k*	SP000095921	SOD323	50	50	0.26	10	5.00	10
BA 595	10k*	SP000010148	SOD323	50	50	0.26	10	5.00	10
BA 885	3k*	SP000010151	SOT23	50	100	0.28	10	5.00	10
■ BA 892	3k*	SP000010154	SCD80	35	100	0.85	3	0.36	10
▼ BA 892	8k*	SP000104705	SCD80	35	100	0.85	3	0.36	10
BA 892	10k*	SP000010158	SCD80	35	100	0.85	3	0.36	10
BA 892-02L	15k*	SP000013535	TSLP-2-1	35	100	0.92	1	0.36	10
BA 892-02V	3k*	SP000013174	SC79	35	100	0.85	3	0.36	10
▼ BA 892-02V	8k*	SP000104706	SC79	35	100	0.85	3	0.36	10
▼ BA 892-02V	10k*	SP000013175	SC79	35	100	0.85	3	0.36	10
BA 895	3k*	SP000012458	SCD80	50	50	0.23	10	4.50	10
BAR 14-1 (Dual)	3k*	SP000010164	SOT23	100	140	0.25	50	7.00	10
BAR 15-1 (Dual)	3k*	SP000010163	SOT23	100	140	0.25	50	7.00	10
BAR 16-1 (Dual)	3k*	SP000010165	SOT23	100	140	0.25	50	7.00	10
BAR 50-02L	15k*	SP000013603	TSLP-2-1	50	100	0.24	1	3.00	10
BAR 50-02V	3k*	SP000012921	SC79	50	100	0.24	1	3.00	10
BAR 61 (Triple)	3k*	SP000010169	SOT143	100	140	0.25	50	7.00	10
BAR 63-02L	15k*	SP000013537	TSLP-2-1	50	100	0.21	5	1.00	10
▼ BAR 63-02L	50k*	SP000013538	TSLP-2-1	50	100	0.21	5	1.00	10
BAR 63-02V	3k*	SP000010162	SC79	50	100	0.21	5	1.00	10

* Order unit

SMD = Surface Mounted Device

Silicon Discrete Components

Type	Ordering Code	Package	Maximum Ratings		Characteristics ($T_A = 25^\circ\text{C}$)			
			$V_{R\text{ max}}$ V	$I_{F\text{ max}}$ mA	C_T pF	at	V_R V	r_F Ω

RF Diodes

PIN Diodes (8 mm Tape)

(cont'd)

BAR 63-02W	3k*	SP000010170	SCD80	50	100	0.21	5	1.00	10
▼ BAR 63-02W	8k*	SP000104697	SCD80	50	100	0.21	5	1.00	10
BAR 63-02W	10k*	SP000010171	SCD80	50	100	0.21	5	1.00	10
BAR 63-03W (Dual)	3k*	SP000010172	SOD323	50	100	0.21	5	1.00	10
BAR 63-03W (Dual)	10k*	SP000010173	SOD323	50	100	0.21	5	1.00	10
BAR 63-04 (Dual)	3k*	SP000012206	SOT23	50	100	0.21	5	1.00	10
BAR 63-04W (Dual)	3k*	SP000010174	SOT323	50	100	0.21	5	1.00	10
BAR 63-05 (Dual)	3k*	SP000012207	SOT23	50	100	0.21	5	1.00	10
BAR 63-05 (Dual)	10k*	SP000012210	SOT23	50	100	0.21	5	1.00	10
BAR 63-05W (Dual)	3k*	SP000010175	SOT323	50	100	0.21	5	1.00	10
BAR 63-06 (Dual)	3k*	SP000012208	SOT23	50	100	0.21	5	1.10	10
BAR 63-06W (Dual)	3k*	SP000010176	SOT323	50	100	0.21	5	1.00	10
BAR 64-02LRH	15k*	SP000051041	TSLP-2-7	200	100	0.23	20	2.10	10
▼ BAR 64-02LRH	50k*	SP000083331	TSLP-2-7	200	100	0.23	20	2.10	10
BAR 64-02V	3k*	SP000010361	SC79	200	100	0.23	20	2.10	10
▼ BAR 64-02V	8k*	SP000104696	SC79	200	100	0.23	20	2.10	10
BAR 64-03W	3k*	SP000010179	SOD323	200	100	0.23	20	2.10	10
BAR 64-04 (Dual)	3k*	SP000012211	SOT23	200	100	0.23	20	2.10	10
BAR 64-04W (Dual)	3k*	SP000010180	SOT323	150	100	0.23	20	2.10	10
BAR 64-05 (Dual)	3k*	SP000012212	SOT23	200	100	0.23	20	2.10	10
BAR 64-05 (Dual)	10k*	SP000012214	SOT23	200	100	0.23	20	2.10	10
BAR 64-05W (Dual)	3k*	SP000010181	SOT323	200	100	0.23	20	2.10	10
BAR 64-05W (Dual)	10k*	SP000010183	SOT323	200	100	0.23	20	2.10	10
BAR 64-06 (Dual)	3k*	SP000012213	SOT23	200	100	0.23	20	2.10	10
BAR 64-06W (Dual)	3k*	SP000010182	SOT323	150	100	0.23	20	2.10	10
BAR 64-07 (Dual)	3k*	SP000010184	SOT143	200	100	0.23	20	2.10	10
BAR 65-02L	15k*	SP000013542	TSLP-2-1	30	100	0.60	1	0.56	10
BAR 65-02V	3k*	SP000010359	SC79	30	100	0.60	1	0.56	10
BAR 65-03W	3k*	SP000010186	SOD323	30	100	0.60	1	0.56	10
BAR 67-02V	3k*	SP000010369	SC79	150	200	0.35	5	1.10	10
BAR 88-02V	3k*	SP000013484	SC79	80	100	0.30	1	0.80	10
▼ BAR 88-02V	8k*	SP000104695	SC79	80	100	0.30	1	0.80	10
BAR 88-02LRH	15k*	SP000051042	TSLP-2-7	80	100	0.30	1	0.80	10
▼ BAR 88-02LRH	50k*	SP000083408	TSLP-2-7	80	100	0.30	1	0.80	10
▼ BAR 88-07LRH (Dual)	15k*	SP000053489	TSLP-4-7	80	100	0.30	1	0.80	10
▼ BAR 88-098LRH (Dual)	15k*	SP000053490	TSLP-4-7	80	100	0.30	1	0.80	10
▼ BAR 88-099LRH	15k*	SP000053491	TSLP-4-7	80	100	0.30	1	0.80	10
BAR 89-02LRH	15k*	SP000051043	TSLP-2-7	80	100	0.25	1	0.80	10
▼ BAR 89-02LRH	50k*	SP000083407	TSLP-2-7	80	100	0.25	1	0.80	10
BAR 90-02LRH	15k*	SP000051045	TSLP-2-7	80	100	0.25	1	0.80	10
▼ BAR 90-02LS	15k*	SP000200323	TSSLP-2-1	80	100	0.25	1	0.80	10
BAR 90-07LRH (Dual)	15k*	SP000053483	TSLP-4-7	80	100	0.25	1	0.80	10
▼ BAR 90-098LRH (Dual)	15k*	SP000053484	TSLP-4-7	80	100	0.25	1	0.80	10
▼ BAR 90-098L4 (Dual)	15k*	SP000062626	TSLP-4-4	80	100	0.25	1	0.80	10
BAR 90-099LRH	15k*	SP000053485	TSLP-4-7	80	100	0.25	1	0.80	10
▼ BAR 95-02LS	15k*	SP000099220	TSSLP-2-1	50	100	0.25	1	0.80	10

* Order unit

SMD = Surface Mounted Device



Silicon Discrete Components

Type	Ordering Code	Package	Maximum Ratings		Characteristics ($T_A = 25^\circ\text{C}$)		
			V_R V	I_F mA	C_T pF	at V	C_{T1}/C_{T2} V

RF Diodes

Variable Capacitance Diodes (8 mm Tape)

BB 439 matched	3k*	SP000010372	SOD323	30	20	26 ... 32	3	5 ... 6.5
BB 535 matched	3k*	SP000010375	SOD323	30	20	17.5 ... 20	1	8.2 ... 9.8
BB 535 unmatched	3k*	SP000010377	SOD323	30	20	17.5 ... 20	1	8.2 ... 9.8
BB 545 matched	3k*	SP000010383	SOD323	30	20	18.5 ... 21.5	1	9 ... 11
BB 545 unmatched	3k*	SP000010384	SOD323	30	20	18.5 ... 21.5	1	9 ... 11
BB 555 matched	3k*	SP000010389	SCD80	30	20	17.5 ... 20	1	6.7
BB 555 unmatched	3k*	SP000010390	SCD80	30	20	17.5 ... 20	1	6.7
BB 555-02V matched	3k*	SP000013176	SC79	30	20	17.5 ... 20	1	8.2 ... 9.8
BB 555-02V unmatched	3k*	SP000013177	SC79	30	20	17.5 ... 20	1	8.2 ... 9.8
BB 565 matched	3k*	SP000010393	SCD80	30	20	18.5 ... 21.5	1	7.2
BB 565 unmatched		SP000010392	SCD80	30	20	18.5 ... 21.5	1	7.2
BB 565-02V matched	3k*	SP000013416	SC79	30	20	18.5 ... 21.5	1	9 ... 11
BB 639 matched	3k*	SP000010401	SOD323	30	20	36 ... 42	1	13.5
BB 639 unmatched	3k*	SP000010403	SOD323	30	20	36 ... 42	1	13.5
BB 639C matched	3k*	SP000010396	SOD323	30	20	36 ... 42	1	11.1
BB 640 matched	3k*	SP000010406	SOD323	30	20	62 ... 76	1	19.5
BB 644 matched	3k*	SP000010411	SOD323	30	20	39 ... 44.5	1	11.8
▼ BB 659 matched	3k*	SP000056645	SCD 80	30	20	36 ... 40	1	14.7
▼ BB 659 unmatched	3k*	SP000010414	SCD 80	30	20	36 ... 40	1	14.7
BB 659C matched	3k*	SP000010417	SCD80	30	20	36 ... 42	1	11.1
BB 659C-02V matched	3k*	SP000013179	SC79	30	20	36.5 ... 42	1	9.5 ... 11.1
BB 659C-02V unmatched	3k*	SP000013180	SC79	30	20	36.5 ... 42	1	9.5 ... 11.1
BB 664 matched	3k*	SP000010418	SCD80	30	20	39 ... 44.5	1	11.8
BB 664-02V matched	3k*	SP000013418	SC79	30	20	39 ... 44.5	1	11.8
BB 669 matched	3k*	SP000010419	SOD323	30	20	51 ... 61.5	1	15.5
BB 689 matched	3k*	SP000010423	SCD80	30	20	51 ... 61.5	1	15.5
BB 689 unmatched	3k*	SP000010422	SCD80	30	20	51 ... 61.5	1	15.5
BB 689-02V matched	3k*	SP000013414	SC79	30	20	51 ... 61.5	1	15.5
BB 689-02V unmatched	3k*	SP000013415	SC79	30	20	51 ... 61.5	1	15.5
BB 804SF1 (Dual)	3k*	SP000010425	SOT23	20	50	43.0 ... 44.5	2	1.70
■ BB 804SF2 (Dual)	3k*	SP000010426	SOT23	20	50	44.0 ... 45.5	2	1.70
■ BB 804SF3 (Dual)	3k*	SP000010427	SOT23	20	50	45.0 ... 46.5	2	1.70
■ BB 814GR1 (Dual)	3k*	SP000010433	SOT23	20	50	43.0 ... 44.5	2	2.05 ... 2.25
▼ BB 814GR1 (Dual)	3k*	SP000095920	SOT23	20	50	43.0 ... 44.5	2	2.05 ... 2.25
BB 814GR1 (Dual)	10k*	SP000051040	SOT23	20	50	43.0 ... 44.5	2	2.05 ... 2.25
BB 814GR2 (Dual)	3k*	SP000010435	SOT23	20	50	45.0 ... 46.5	2	2.05 ... 2.25
BB 831	3k*	SP000012250	SOD323	30	20	7.8 ... 9.8	1	8.60
BB 833	3k*	SP000010437	SOD323	30	20	8.5 ... 10	1	12.40
BB 833	10k*	SP000010438	SOD323	30	20	8.5 ... 10	1	12.40
BB 837	3k*	SP000010441	SOD323	30	20	6.0 ... 7.2	1	12.20
BB 844	3k*	SP000013388	SOT23	18	50	42.5 ... 45	2	3.2 ... 3.8
BB 857 matched	3k*	SP000010443	SCD80	30	20	6.0 ... 7.2	1	12.00
BB 914 (Dual)	3k*	SP000010445	SOT23	20	50	42.5 ... 45	2	2.28 ... 2.42

* Order unit

SMD = Surface Mounted Device



Silicon Discrete Components

Type	Ordering Code	Package	Maximum Ratings		Characteristics ($T_A = 25^\circ\text{C}$)	
			V_R V	I_F mA	C_T pF	at V_R V

RF Diodes

Electrostatic Discharge Protection Diodes

BAR 66	SP000010187	SOT23	150	200	≤ 0.60	35
--------	-------------	-------	-----	-----	-------------	----

Type	Ordering Code	Package	Maximum Ratings		Characteristics ($T_A = 25^\circ\text{C}$)	
			V_{Rwm} V	I_{pp} A	C_T pF	at V_R V

Transient Voltage Suppressor (TVS) Diodes

1-Channel ESD Protection

▼ ESD 5V02S1U-03W 3k*	SP000205608	SOD323	5	30	430	0
-----------------------	-------------	--------	---	----	-----	---

2-Channel ESD Protection

▼ ESD 5V02S1U-06 3k*	SP000205610	SOT23	5	30	430	0
▼ ESD 8V0L2B-03L 3k*	SP000055122	TSLP-3-1	8 ... 14	1	4 ... 0	0

5-Channel ESD Protection

▼ ESD 5V02S1US 3k*	SP000205611	SOT363	5	6	70	0
--------------------	-------------	--------	---	---	----	---

4

* Order unit

SMD = Surface Mounted Device

Silicon Discrete Components

Type	Ordering Code	Package	Maximum Ratings		Characteristics ($T_A = 25^\circ\text{C}$)		
			V_R V	I_F mA	C_T pF	at V	C_{T1}/C_{T2} V

RF Diodes

Varactor Diodes

BBY 51	3k*	SP000010449	SOT23	7	20	4.5 ... 6.1	1	1.75
BBY 51	10k*	SP000010451	SOT23	7	20	4.5 ... 6.1	1	1.75
BBY 51-02L	15k*	SP000014590	TSLP-2-1	7	20	4.5 ... 6.1	1	1.75
BBY 51-02W	3k*	SP000010452	SCD80	7	20	4.5 ... 6.1	1	1.75
BBY 51-03W	3k*	SP000010453	SOD323	7	20	4.5 ... 6.1	1	1.75
BBY 52-02L	15k*	SP000014591	TSLP-2-1	7	20	1.4 ... 2.2	1	1.60
BBY 52-02W	3k*	SP000010454	SCD80	7	20	1.4 ... 2.2	1	1.60
BBY 53	3k*	SP000010455	SOT23	6	20	4.8 ... 5.8	1	2.20
BBY 53-02L	15k*	SP000014592	TSLP-2-1	6	20	4.8 ... 5.8	1	2.20
BBY 53-02V	3k*	SP000010337	SC79	6	20	4.8 ... 5.8	1	2.20
BBY 53-02W	3k*	SP000010459	SCD80	6	20	4.8 ... 5.8	1	2.20
BBY 53-03LRH	15k*	SP000083405	TSLP-3-7	6	20	4.8 ... 5.8	1	2.20
BBY 53-03W	3k*	SP000010461	SOD323	6	20	4.8 ... 5.8	1	2.20
BBY 53-05W	3k*	SP000012248	SOT323	6	20	4.8 ... 5.8	1	2.20
BBY 55-02V	3k*	SP000013069	SC79	16	20	14.0 ... 16	1	2.50
BBY 55-02W	3k*	SP000012232	SCD80	16	20	14.0 ... 16	1	2.50
BBY 55-03W	3k*	SP000012238	SOD323	16	20	14.0 ... 16	1	2.50
BBY 56-02W	3k*	SP000012233	SCD80	10	20	59.0 ... 67	1	2.45
▼ BBY 56-02W	8k*	SP000104694	SCD80	10	20	59.0 ... 67	1	2.45
BBY 56-03W	3k*	SP000012239	SOD323	10	20	59.0 ... 67	1	2.45
BBY 57-02V	3k*	SP000010317	SC79	10	20	16.5 ... 18.6	1	2.45
BBY 57-02L	15k*	SP000013551	TSLP-2-1	10	20	16.5 ... 18.6	1	2.45
BBY 57-02W	3k*	SP000012234	SCD80	10	20	16.5 ... 18.6	1	2.45
▼ BBY 57-02W	8k*	SP000104693	SCD80	10	20	16.5 ... 18.6	1	2.45
■ BBY 57-05W	3k*	SP000012457	SOT323	10	20	16.5 ... 18.6	1	2.45
BBY 58-02L	15k*	SP000013552	TSLP-2-1	8	50	17.5 ... 19.3	1	3.00
BBY 58-02V	3k*	SP000012231	SC79	10	20	17.5 ... 19.3	1	2.15
BBY 58-02W	3k*	SP000012235	SCD80	10	20	17.5 ... 19.3	1	2.15
▼ BBY 58-02W	8k*	SP000104692	SCD80	10	20	17.5 ... 19.3	1	2.15
BBY 58-03W	3k*	SP000012240	SOD323	10	20	17.5 ... 19.3	1	2.15
BBY 58-05W	3k*	SP000014603	SOT323	10	20	17.5 ... 19.3	1	2.15
BBY 58-06W	3k*	SP000014605	SOT323	10	20	17.5 ... 19.3	1	2.15
BBY 59-02V	3k*	SP000012825	SC79	15	50	26.6 ... 29.0	1	4.00
▼ BBY 61-02LS	3k*	SP000200324	TSSLP-2-1	10	50	4.9	1	2.45
BBY 65-02V	3k*	SP000013604	SC79	15	50	20.25	1	4.55
BBY 66-05	3k*	SP000012826	SOT23	12	50	66.0 ... 71.5	1	5.41
BBY 66-05W	3k*	SP000012827	SOT323	12	50	66.0 ... 71.5	1	5.41

4

* Order unit

SMD = Surface Mounted Device

Silicon Discrete Components

Type	Ordering Code	Package	Maximum Ratings			Characteristics ($T_A = 25^\circ\text{C}$)						
			V_{DS}	I_D	P_{tot}	G_{ps}	F at	V_{DS}	I_D	f	g_{fs}	
			V	mA	mW	dB	dB	V	mA	MHz	mS	

RF Transistors

Single MOSFET Tetrodes (8 mm Tape)

BF 998	3k*	SP000010978	SOT143	12	30	200	20	1.00	8	10	800	24
BF 998R	3k*	SP000010979	SOT143R	12	30	200	20	1.00	8	10	800	24
BF 1005	3k*	SP000010946	SOT143	8	25	200	18	1.40	5	10	800	24
BF 1005S	3k*	SP000010949	SOT143	8	25	200	19	1.60	5	12	800	30
BF 1005S	10k*	SP000010952	SOT143	8	25	200	19	1.60	5	12	800	30
BF 1005SR	3k*	SP000010950	SOT143R	8	25	200	19	1.60	5	12	800	30
BF 1009S	3k*	SP000010955	SOT143	12	25	200	22	1.40	9	12	800	30
BF 1009SR	3k*	SP000010956	SOT143R	12	25	200	22	1.40	9	12	800	30
BF 2030 E-6814	3k*	SP000012219	SOT143	14	40	200	–	2.0	5	10	800	31
BF 2030R E-6814	3k*	SP000012220	SOT143R	14	40	200	–	2.0	5	10	800	31
BF 2030W E-6814	3k*	SP000012223	SOT343	14	40	200	–	2.0	5	10	800	31
BF 2040 E-6814	3k*	SP000012215	SOT143	8	20	200	21	1.7	5	15	800	45
BF 2040R E-6814	3k*	SP000012216	SOT143R	8	20	200	21	1.7	5	15	800	45
BF 2040W E-6814	3k*	SP000012226	SOT343	8	20	200	23	1.6	5	15	800	45
▼ BF 5030W	3k*	SP000101236	SOT343	8	25	200	24	1.3	3	10	800	41

4

Dual MOSFET Tetrodes (8 mm Tape)

■ BG 3123	3k*	SP000014846	SOT363	8	25	160	24	1.30	5	10	800	25/30
BG 3123R	3k*	SP000015126	SOT363	8	25	160	24	1.30	5	10	800	25/30
BG 3130	3k*	SP000013182	SOT363	8	25	160	24	1.30	5	10	800	33/33
BG 3130R	3k*	SP000014450	SOT363	8	25	160	24	1.30	5	10	800	33/33
BG 3140	3k*	SP000013183	SOT363	8	25	160	24	1.30	5	15	800	42
BG 3140R	3k*	SP000014451	SOT363	8	25	160	24	1.30	5	15	800	42
BG 3230	3k*	SP000013594	SOT363	8	25	160	24	1.30	5	10	800	33
■ BG 3230R	3k*	SP000014452	SOT363	8	25	160	24	1.30	5	10	800	33
▼ BG 5130R	3k*	SP000101237	SOT363	8	25	200	24	1.30	3	10	800	41

MOSFET Triodes (8 mm Tape)

BF 999	3k*	SP000010985	SOT23	20	30	200	25	1.00	10	10	200	16
--------	-----	-------------	-------	----	----	-----	----	------	----	----	-----	----

* Order unit

SMD = Surface Mounted Device

Silicon Discrete Components

Type	Ordering Code	Package	Maximum Ratings		Characteristics ($T_A = 25^\circ\text{C}$)		
			V_{CEO} V	I_c mA	f_T GHz	G dB	at f MHz

RF Transistors

NPN Broadband Transistors (8 mm Tape)

BF 517	3k*	SP000010958	SOT23	15	25	2.0	–	–
BF 770A	3k*	SP000010965	SOT23	12	50	5.5	13.5	800
BF 771	3k*	SP000010967	SOT23	12	80	7.0	13.5	800
BF 775	3k*	SP000010972	SOT23	12	30	4.5	–	–
BF 799	3k*	SP000010973	SOT23	20	35	1.1	–	–
BF 799W	3k*	SP000010975	SOT323	20	35	1.1	–	–
BFP 181	3k*	SP000011013	SOT143	12	20	8.0	20	900
BFP 182	3k*	SP000011015	SOT143	12	35	8.0	21.5	900
BFP 182R	3k*	SP000011016	SOT143R	12	35	8.0	21.5	900
BFP 182W	3k*	SP000011017	SOT343	12	35	8.0	21.5	900
BFP 183	3k*	SP000011018	SOT143	12	65	8.0	20	900
BFP 183W	3k*	SP000011023	SOT343	12	65	8.0	20	900
BFP 193	3k*	SP000011024	SOT143	12	80	8.0	15	800
BFP 193W	3k*	SP000011026	SOT343	12	80	8.0	20	800
BFP 196	3k*	SP000011027	SOT143	12	100	7.2	16	900
BFP 196R	3k*	SP000011028	SOT143R	12	100	7.2	16	900
BFP 196W	3k*	SP000011030	SOT343	12	100	7.2	16	900
BFR 35AP	3k*	SP000011060	SOT23	12	30	4.9	14	800
BFR 92P	3k*	SP000011062	SOT23	15	30	5.0	15	900
BFR 92W	3k*	SP000011065	SOT323	15	30	5.0	15.5	900
BFR 93A	3k*	SP000011066	SOT23	12	50	6.0	13.5	900
BFR 93AW	3k*	SP000011071	SOT323	12	50	6.0	15	900
BFR 106	3k*	SP000011044	SOT23	15	100	4.9	17.8	500
BFR 181	3k*	SP000011047	SOT23	12	20	8.0	18	900
BFR 181 E-6780	3k*	SP000011049	SOT23	12	20	8.0	18	900
BFR 181T	3k*	SP000013378	SC75	12	20	8.0	18	900
BFR 181W	3k*	SP000011050	SOT323	12	20	8.0	18	900
BFR 182	3k*	SP000011051	SOT23	12	35	8.0	18	900
▼ BFR 182	10x3k*	SP000056362	SOT23	12	35	8.0	18	900
BFR 182T	3k*	SP000012913	SC75	12	35	8.0	18	900
BFR 182W	3k*	SP000011053	SOT323	12	35	8.0	18	900
BFR 183	3k*	SP000011054	SOT23	12	65	8.0	18.5	900
BFR 183T	3k*	SP000012600	SC75	12	65	8.0	18.5	900
BFR 183W	3k*	SP000011055	SOT323	12	65	8.0	18.5	900
BFR 193	3k*	SP000011056	SOT23	12	80	8.0	15.8	800
BFR 193F	3k*	SP000012976	TSFP-3	12	150	8.0	19.0	900
BFR 193L3	3k*	SP000013557	TSLP-3-1	12	150	8.0	19.0	900
BFR 193W	3k*	SP000011057	SOT323	12	80	8.0	15.8	800

4

* Order unit

SMD = Surface Mounted Device

Silicon Discrete Components

Type	Ordering Code	Package	Maximum Ratings		Characteristics ($T_A = 25^\circ\text{C}$)		
			V_{CEO} V	I_{C} mA	f_{T} GHz	G dB	at f MHz

RF Transistors

NPN Broadband Transistors (8 mm Tape)

(cont'd)

BFR 340F	15k*	SP000012978	TSFP-3	6.0	10	14.0	16.0	1800
BFR 340L3	15k*	SP000013558	TSLP-3-1	6.0	10	14.0	17	1800
BFR 340T	3k*	SP000012982	SC75	6.0	10	14.0	15	1800
BFR 360F	15k*	SP000012979	TSFP-3	6.0	35	14.0	15.5	1800
BFR 360L3	15k*	SP000013560	TSLP-3-1	6.0	35	14.0	16.5	1800
BFR 360T	3k*	SP000012983	SC75	6.0	35	14.0	13.5	1800
BFR 380F	15k*	SP000012981	TSFP-3	6.0	80	14.0	13.5	1800
BFR 380L3	15k*	SP000013562	TSLP-3-1	6.0	80	14.0	13.5	1800
BFR 380T	3k*	SP000012984	SC75	6.0	80	14.0	12.5	1800
BFR 460L3	15k*	SP000014238	TSLP-3-1	4.5	50	22.0	16	1800
BFR 949L3	15k*	SP000013563	TSLP-3-1	10	35	9.0	21.5	900
BFR 949T	3k*	SP000012972	SC75	10	35	9.0	20	900
BFS 17P	3k*	SP000011073	SOT23	15	25	2.5	10	800
BFS 17P	10k*	SP000011079	SOT23	15	25	2.5	10	800
BFS 17W	3k*	SP000011082	SOT323	15	25	2.5	11	800
BFS 360L6	15k*	SP000013974	TSLP-6-1	6	35	14.0	14.5	1800
BFS 380L6	15k*	SP000013976	TSLP-6-1	6	80	14.0	12	1800
BFS 386L6	15k*	SP000013975	TSLP-6-1	6	35/80	14.0	14.5	1800

4

* Order unit

SMD = Surface Mounted Device

Silicon Discrete Components

Type	Ordering Code	Package	Maximum Ratings		Characteristics ($T_A = 25^\circ\text{C}$)		
			V_{CEO} V	I_c mA	f_T GHz	G dB	at MHz

RF Transistors

NPN Broadband Transistors (12 mm Tape)

BFG 19S	1k*	SP000010992	SOT223	15	100	5.3	13	900
BFG 135A	1k*	SP000010991	SOT223	15	150	5.9	15	900
BFG 193	4k*	SP000010994	SOT223	12	80	8.0	15.5	900
BFG 196	1k*	SP000010995	SOT223	12	100	7.2	14	900
BFG 235	1k*	SP000010996	SOT223	12	300	6.0	–	–
BFQ 19S	1k*	SP000011042	SOT89	15	75	5.1	11.8	800

PNP Broadband Transistors (8 mm Tape)

■ BFT 92	3k*	SP000011087	SOT23	15	25	5.0	18	500
----------	-----	-------------	-------	----	----	-----	----	-----

Type	Ordering Code	Package	Maximum Ratings		Characteristics ($T_A = 25^\circ\text{C}$)		
			I_D mA	P_{tot} mW	NF dB	G dB	at MHz

Monolithic ICs

MMICs Low Noise Amplifiers

■ BGA 428	3k*	SP000012971	SOT363	12	50	1.4	20	1800
▼ BGA 615L7	7.5k*	SP000016766	TSLP-7-1	10	36	0.9	18	1500
BGA 619	7.5k*	SP000014629	TSLP-7-1	11	–	1.5	15	1900
■ BGA 622	3k*	SP000013748	SOT343	10	35	1.1	13.3	2140
BGA 622L7	7.5k*	SP000017535	TSLP-7-1	10	35	1.0	17.5	1575

MMICs Broadband Amplifiers

BGA 416	3k*	SP000013607	SOT143	20	–	1.3	23	900
■ BGA 420	3k*	SP000011089	SOT143	15	90	2.2	13	1800
BGA 427	3k*	SP000011091	SOT343	25	150	2.2	18.5	1800
BGA 612	3k*	SP000013391	SOT343	80	225	2.35	16	2000
BGA 614	3k*	SP000013392	SOT343	80	240	2.3	17	2000
BGA 616	3k*	SP000013393	SOT343	80	360	2.9	17.5	2000
BGB 420	3k*	SP000012230	SOT343	30	120	1.5	17.5	1800
BGB 540	3k*	SP000013194	SOT343	80	–	1.3 (5 mA)	19	1800

* Order unit

SMD = Surface Mounted Device

4

Silicon Discrete Components

Type	Ordering Code	Package	Maximum Ratings		Characteristics ($T_A = 25^\circ\text{C}$)		
			V_{CEO} V	I_C mA	f_T GHz	G_{ms} dB	at f MHz

RF Transistors

SIEGET®-25-RF-Bipolar NPN Transistors

BFP 405	3k*	SP000011032	SOT343	4.5	12	25	22	1800
BFP 405	10k*	SP000011033	SOT343	4.5	12	25	22	1800
BFP 405F	15k*	SP000012985	TSFP-4	4.5	12	25	22	1800
■ BFP 420	3k*	SP000011035	SOT343	4.5	35	25	22	1800
BFP 420	10k*	SP000011036	SOT343	4.5	35	25	22	1800
BFP 420F	15k*	SP000012986	TSFP-4	4.5	35	25	22	1800
■ BFP 450	3k*	SP000011039	SOT343	4.5	100	24	14	1800

ESD Hardenend RF-Bipolar NPN Transistors

BFP 460	3k*	SP000015119	SOT343	4.5	50	22	17.5	1800
▼ BFP 540ESD	3k*	SP000105377	SOT343	4.0	80	34	21	1800
BFS 460L6	15k*	SP000014239	TSLP-6-1	4.5	50	22	14.5	1800
BFS 466L6	15k*	SP000014240	TSLP-6-1	4.5	50	22	14.5	1800
BFS 469L6	15k*	SP000014241	TSLP-6-1	4.5	50	22	14.5	1800

SIEGET®-45-RF-Bipolar NPN Transistors

BFP 520	3k*	SP000012229	SOT343	2.5	40	45	23	1800
BFP 520F	15k*	SP000012987	TSFP-4	2.5	40	45	23	1800
BFP 540	3k*	SP000012602	SOT343	4.5	80	29	21	1800
BFP 540F	15k*	SP000012988	TSFP-4	4.5	80	29	21	1800

Silicon Germanium NPN Transistors

BFP 620 E-7764	3k*	SP000012604	SOT343	2.3	80	65	21.5	1800
BFP 620F E-7764	15k*	SP000012989	TSFP-4	2.3	80	65	21.5	1800
■ BFP 640	3k*	SP000012991	SOT343	4.0	50	40	24	1800
BFP 640F	3k*	SP000015118	TSFP-4	4.0	50	40	24	1800
BFP 650	3k*	SP000013932	SOT343	4.0	150	36	21.5	1800
BFP 740	3k*	SP000016424	SOT343	4.0	160	42	27.5	1800
BFP 740F	3k*	SP000055205	TSFP-4	4.0	160	42	27.5	1800
▼ BFP 740L3	3k*	SP000085183	TSFP-3-8	4.0	160	42	24	1800

RF-Dual Transistor Arrays

BFS 17S	3k*	SP000011081	SOT363	15	25	2.5	11	800
BFS 481	3k*	SP000011084	SOT363	12	20	8	19	900
BFS 483	3k*	SP000011086	SOT363	12	65	8	19	900

4

Sensors

5

Pressure Sensors	133
Temperature Sensors	133
Hall ICs	134
Angular Rate Sensors	134
Wireless Control	135

Sensors

Type	Ordering Code	Package	Data			
			Pressure Range	P_{max}	V_s	Operating Temperature Range
			kPa	kPa	V	°C

Absolute Barometric Pressure Sensor IC

KP125	SP000076563	PG-DSOF-8-12	40 ... 150	240	4.50 ... 5.50	-40 ... +125
-------	-------------	--------------	------------	-----	---------------	--------------

Absolute Pressure Sensor IC

▼ SP12	SP000014795	P-DSOSP-14-1	100 ... 450	± 8.5	1.80 ... 3.60	-40 ... +125
▼ SP12 T-T1	SP000014797	P-DSOSP-14-1	50 ... 1400	± 28	1.80 ... 3.60	-40 ... +125
▼ SP30 V2.1	SP000081558	P-DSOSP-14-6	100 ... 450	± 7.0	1.80 ... 3.60	-40 ... +125
▼ SP30 V4.1	SP000208318	PG-DSOSP-14-6	100 ... 450	± 7.0	1.80 ... 3.60	-40 ... +125

Type	Ordering Code	Package	Data				
			Basic Resistance $T_A = 25^\circ\text{C}$ $I_N = 1\text{ mA}$	I_{max} (25°C)	(Thermal time constant 0 – 63 %)		Operating Temperature Range
					in still air	in still oil	
			Ω	mA	s	s	°C

Silicon Temperature Sensors

KT 110	SP000011499	TO-92	2000 ± 60	5	11	1.5	-50 ... +150
KT 130	SP000013615	SOT23	2000 ± 60	5	7	1	-50 ... +150
KT 210	SP000011509	TO-92	1000 ± 30	7	11	1.5	-50 ... +150
KT 230	SP000011513	SOT23	1000 ± 30	7	7	1	-50 ... +150
KTY 11-5	SP000011496	TO-92	1970 ± 20	5	11	1.5	-50 ... +150
KTY 11-6	SP000011497	TO-92	2000 ± 20	5	11	1.5	-50 ... +150
KTY 11-7	SP000011498	TO-92	2030 ± 20	5	11	1.5	-50 ... +150
KTY 13-5	SP000013612	SOT23	1970 ± 20	5	7	1	-50 ... +150
KTY 13-6	SP000013613	SOT23	2000 ± 20	5	7	1	-50 ... +150
KTY 13-7	SP000013614	SOT23	2030 ± 20	5	7	1	-50 ... +150
KTY 21-5	SP000011506	TO-92	985 ± 10	7	40	4	-50 ... +150
KTY 21-6	SP000011507	TO-92	1000 ± 10	7	40	4	-50 ... +150
KTY 21-7	SP000011508	TO-92	1015 ± 10	7	40	4	-50 ... +150
KTY 23-5	SP000011510	SOT23	985 ± 10	7	7	1	-50 ... +150
KTY 23-6	SP000011511	SOT23	1000 ± 10	7	7	1	-50 ... +150
KTY 23-7	SP000011512	SOT23	1015 ± 10	7	7	1	-50 ... +150

5

SMD = Surface Mounted Device

Sensors

Type	Ordering Code	Package	Description
Hall ICs			
TLE 4905L	SP000016544	PG-SSO-3-2	Unipolar Hall IC switch, tape & reel
TLE 4905L E-6433	SP000016545	PG-SSO-3-2	Unipolar Hall IC switch, AMMO-pack
TLE 4905G	SP000011869	SOT89	
TLE 4935L	SP000016376	PG-SSO-3-2	Bipolar Hall IC latch, AMMO-pack
TLE 4935G	SP000011877	SOT89	Bipolar Hall IC latch, tape & reel
TLE 4945L	SP000016546	PG-SSO-3-2	Bipolar Hall IC switch, AMMO-pack
TLE 4945-2L	SP000013154	PG-SSO-3-2	
TLE 4945-2G	SP000011879	SOT89	Bipolar Hall IC switch, tape & reel
TLE 4906L	SP000012949	PG-SSO-3-2	High precision unipolar Hall IC switch, AMMO-pack
TLE 4906H	SP000012950	SC59	High precision unipolar Hall IC switch, tape & reel
TLE 4966L	SP000014135	PG-SSO-4-1	High precision bipolar double Hall IC switch, AMMO-pack
TLE 4966H	SP000014532	TSOP6-1	High precision bipolar double Hall IC switch, tape & reel
TLE 4946H	SP000014640	SC59	High precision bipolar Hall IC latch, tape & reel
TLE 4946-1L	SP000015003	PG-SSO-3-2	High precision bipolar Hall IC latch, AMMO-pack
TLE 4976L	SP000012951	PG-SSO-3-2	High precision unipolar Hall IC switch with 2-wire interface, AMMO-pack
TLE 4976-1H	SP000014722	SC59	High precision unipolar Hall IC switch with 2-wire interface, tape & reel
TLE 4921-5U	SP000013593	PG-SSO-4-1	Dynamic differential Hall effect sensor IC, AMMO-pack
TLE 4923	SP000011875	PG-SSO-3-6	
TLE 4925	SP000013753	PG-SSO-3-6	Dynamic differential Hall effect sensor IC for crankshaft and transmission applications, AMMO-pack
TLE 4925C	SP000014169	PG-SSO-3-9	
▼ TLE 4925-HT	SP000018185	PG-SSO-6	
▼ TLE 4925C-HT E-6747	SP000076003	PG-SSO-9	
TLE 4913	SP000013490	SC59	Low power Hall IC switch for battery powered applications, tape & reel
TLE 4917	SP000013477	TSOP6-1	
TLE 4941	SP000015115	PG-SSO-2-1	Self calibrating differential Hall IC, two wire standard current interface, AMMO-pack
TLE 4941C	SP000015116	PG-SSO-2-2	Self calibrating differential Hall IC, two wire PWM current interface, AMMO-pack
TLE 4941-1	SP000014942	PG-SSO-2-1	
TLE 4941-1C	SP000014553	PG-SSO-2-2	
TLE 4942-1	SP000015067	PG-SSO-2-1	Self calibrating differential Hall IC, two wire PWM current interface, air-gap diagnosis, assembly position diagnosis, detection of rotation direction, AMMO-pack
TLE 4942-1C	SP000014552	PG-SSO-2-2	Self calibrating differential Hall IC, two wire PWM current interface, air-gap diagnosis, assembly position diagnosis, AMMO-pack
TLE 4953 C	SP000015141	PG-SSO2-2	Hall effect based transmission speed sensor IC with direction detection and vibration suppression, two wire PWM current interface, AMMO-pack
TLE 4990	SP000012542	PG-SSO-4-1	Preprogrammable linear output Hall effect IC, AMMO-pack
TLE 4990 E-6782	SP000014373	PG-SSO-4-1	
Angular Rate Sensors			
▼ SAR 10H	SP000236872	P-DSOSA-16-5	Micro-machined silicon angular sensor designed for automotive rollover detection and navigation support systems

5

SMD = Surface Mounted Device

Sensors

Type	Ordering Code	Package	Description
Wireless Control			
▼ TDA 5102	SP000013431	P-TSSOP-16-1	ASK/FSK transceiver, 915 MHz, tape & reel
▼ TDA 5102	SP000013432	PG-TSSOP-16-1	ASK/FSK transceiver, 915 MHz, tape & reel
TDA 5200	SP000016381	P-TSSOP-28-1	ASK receiver, 433/868 MHz, tape & reel
TDA 5201	SP000012902	P-TSSOP-28-1	ASK receiver, 315/345 MHz, tape & reel
▼ TDA 5201	SP000087135	PG-TSSOP-28-1	ASK receiver, 315/345 MHz, tape & reel
TDA 5210	SP000016384	P-TSSOP-28-1	ASK/FSK receiver, 433/868 MHz, tape & reel
▼ TDA 5210	SP000087156	PG-TSSOP-28-1	ASK/FSK receiver, 433/868 MHz, tape & reel
TDA 5211	SP000016390	P-TSSOP-28-1	ASK/FSK receiver, 315 MHz, tape & reel
TDA 5212	SP000013430	P-TSSOP-28-1	ASK/FSK receiver, 915 MHz, tape & reel
TDA 5220	SP000014342	P-TSSOP-28-1	ASK/FSK receiver, 433/868 MHz, tape & reel
TDA 5221	SP000014343	P-TSSOP-28-1	ASK/FSK receiver, 315/317 MHz, tape & reel
TDA 5250	SP000012956	P-TSSOP-38-1	ASK/FSK transceiver, 868 MHz, tape & reel
TDA 5251	SP000014554	P-TSSOP-38-1	ASK/FSK transceiver, 315 MHz, tape & reel
▼ TDA 5252	SP000057332	P-TSSOP-38-1	ASK/FSK transceiver, 915 MHz, tape & reel
TDA 5255	SP000014555	P-TSSOP-38-1	ASK/FSK transceiver, 434 MHz, tape & reel
TDK 5100	SP000014556	P-TSSOP-16-1	ASK/FSK transmitter, 433/868 MHz, -40°C to 125°C operating temperature, tape & reel
TDK 5100 F	SP000014745	PG-TSSOP-10-1	ASK/FSK transmitter, 434 MHz, -40°C to 125°C operating temperature, tape & reel
TDK 5101	SP000014558	P-TSSOP-16-1	ASK/FSK transmitter, 315 MHz, -40°C to 125°C operating temperature, tape & reel
TDK 5101F	SP000014744	P-TSSOP-10-1	ASK/FSK transmitter, 315 MHz, -40°C to 125°C operating temperature, 10-dBm output power, tape & reel
TDK 5110	SP000013531	P-TSSOP-16-1	ASK/FSK transmitter, 433/868 MHz, -40°C to 125°C operating temperature, 10-dBm output power, tape & reel
▼ TDK 5110 F	SP000056180	PG-TSSOP-10-1	ASK/FSK transmitter, 433/868 MHz, -40°C to 125°C operating temperature, 10-dBm output power, tape & reel
TDK 5111	SP000014016	P-TSSOP-16-1	ASK/FSK transmitter, 315 MHz, -40°C to 125°C operating temperature, 10-dBm output power, tape & reel
▼ TDK 5111F	SP000056181	P-TSSOP-10-1	ASK/FSK transmitter, 315 MHz, -40°C to 125°C operating temperature, 10-dBm output power, tape & reel
▼ TDK 5116F	SP000056182	PG-TSSOP-10-1	ASK/FSK transmitter, 868 MHz, -40°C to 125°C operating temperature, 10-dBm output power, tape & reel

5

Chip Card + Security ICs

6

Smart Card Controllers	137
Smart Card Memories	140
Contactless Products	141

Chip Card + Security ICs

Type	Ordering Code	Package	Description
------	---------------	---------	-------------

Trusted Computing

◆▼ SLB 9635 TT1.2	SP000107000	PG-TSSOP-28	Trusted Platform Module (TPM1.2)
-------------------	-------------	-------------	----------------------------------

Smart Card Controllers

Performance Controller

◆ SLE 66C42P-C	SP000060149	wafer	High performance controller with 4-Kbyte EEPROM, 64-Kbyte ROM, 2048 + 256-byte RAM, HW-DES incl. EC, targeted certification Common Criteria EAL 5+
◆ SLE 66C42P-M5.1	SP000008985	T-M5.1-8-1	
◆ SLE 66C82P-C	SP000060171	wafer	High performance controller with 8-Kbyte EEPROM, 64-Kbyte ROM, 1024 + 256-byte RAM, targeted certification Common Criteria EAL 5+
◆ SLE 66C82P-M5.1	SP000060172	T-M5.1-8-1	
◆ SLE 66C644P-C	SP000060157	wafer	High performance controller with 64-Kbyte EEPROM, 208-Kbyte ROM, 4096 + 256-byte RAM in 0.22 µm technology, 112-bit DDES, ideal for GSM / UMTS applications
◆ SLE 66C644P-M5.1	SP000060158	T-M5.1-8-1	
◆ SLE 66CX322P-C	SP000060186	wafer	High performance controller with 32-Kbyte EEPROM, 136-Kbyte ROM, 4096 + 256-byte RAM + 700-byte Crypto RAM, certified according to common criteria level EAL 5+
◆ SLE 66CX322P-M5.1	SP000009097	T-M5.1-8-1	
◆ SLE 66CX322P-MFC5.6	SP000060188	S-MFC5.6-6	

Enhanced High Performance Controller

◆ SLE 66C24PE-C	SP000060110	wafer	Enhanced high performance controller with 2-Kbyte EEPROM, 68-Kbyte ROM, 2304-byte RAM, DDES
◆ SLE 66C24PE-M5.1	SP000060111	T-M5.1-8-1	
◆ SLE 66C24PE-MFC5.6	SP000060112	S-MFC5.6-6	
◆ SLE 66C24PE-MFC5.8	SP000060113	S-MFC5.8-8-1	Enhanced high performance controller with 4-Kbyte EEPROM, 68-Kbyte ROM, 2304-byte RAM, DDES
◆ SLE 66C44PE-C	SP000060151	wafer	
◆ SLE 66C44PE-M5.1	SP000060152	T-M5.1-8-1	
◆ SLE 66C44PE-MFC5.6	SP000060153	S-MFC5.6-6	Enhanced high performance controller with 8-Kbyte EEPROM, 96-Kbyte ROM, 4352 + 700-byte Crypto RAM, 1100-bit advanced crypto engine, certified RSA 2048-bit library available, DDES
◆ SLE 66C44PE-MFC5.8	SP000060154	S-MFC5.8-8-1	
◆ SLE 66CX80PE-C	SP000060202	wafer	
◆ SLE 66CX80PE-M5.1	SP000060203	T-M5.1-8-1	Enhanced high performance controller with 8-Kbyte EEPROM, 68-Kbyte ROM, 2304-byte RAM, DDES
◆ SLE 66CX80PE-MFC5.6	SP000060204	S-MFC5.6-6	
◆ SLE 66CX80PE-MFC5.8	SP000060205	S-MFC5.8-8-1	
◆ SLE 66C84PE-C	SP000060173	wafer	Enhanced high performance controller with 16-Kbyte EEPROM, 48-Kbyte ROM, 2304-byte RAM
◆ SLE 66C84PE-M5.1	SP000060174	T-M5.1-8-1	
◆ SLE 66C84PE-MFC5.6	SP000060175	S-MFC5.6-6	
◆ SLE 66C84PE-MFC5.8	SP000060176	S-MFC5.8-8-1	Enhanced high performance controller with 16-Kbyte EEPROM, 96-Kbyte ROM, 4352 + 700-byte Crypto RAM, 1100-bit advanced crypto engine, certified RSA 2048-bit library available, DDES
◆ SLE 66C161PE-C	SP000067539	wafer	
◆ SLE 66C161PE-M5.1	SP000067515	T-M5.1-8-1	
◆ SLE 66C161PE-MFC5.6	SP000067537	S-MFC5.6-6	Enhanced high performance controller with 16-Kbyte EEPROM, 96-Kbyte ROM, 4352-byte RAM, DDES
◆ SLE 66C161PE-MFC5.8	SP000060085	S-MFC5.8-8-1	
◆ SLE 66CX162PE-C	SP000060182	wafer	
◆ SLE 66CX162PE-M5.1	SP000060183	T-M5.1-8-1	Enhanced high performance controller with 16-Kbyte EEPROM, 68-Kbyte ROM, 2304-byte RAM, DDES
◆ SLE 66CX162PE-MFC5.6	SP000060184	S-MFC5.6-6	
◆ SLE 66CX162PE-MFC5.8	SP000060185	S-MFC5.8-8-1	
◆ SLE 66C166PE-C	SP000060100	wafer	Enhanced high performance controller with 16-Kbyte EEPROM, 68-Kbyte ROM, 2304-byte RAM, DDES
◆ SLE 66C166PE-M5.1	SP000060101	T-M5.1-8-1	
◆ SLE 66C166PE-MFC5.6	SP000060102	S-MFC5.6-6	
◆ SLE 66C166PE-MFC5.8	SP000060103	S-MFC5.8-8-1	Enhanced high performance controller with 16-Kbyte EEPROM, 68-Kbyte ROM, 2304-byte RAM, DDES
◆ SLE 66C168PE-C	SP000060105	wafer	
◆ SLE 66C168PE-M5.1	SP000067514	T-M5.1-8-1	
◆ SLE 66C168PE-MFC5.6	SP000060108	S-MFC5.6-6	Enhanced high performance controller with 16-Kbyte EEPROM, 68-Kbyte ROM, 2304-byte RAM, DDES
◆ SLE 66C168PE-MFC5.8	SP000060109	S-MFC5.8-8-1	

6

SMD = Surface Mounted Device

Chip Card + Security ICs

Type	Ordering Code	Package	Description
Smart Card Controllers			
Enhanced High Performance Controller (cont'd)			
◆▼ SLE 50C363PE-C	SP000104935	wafer	Enhanced high performance controller with 36-Kbyte EEPROM, 96-Kbyte ROM, 4096-byte RAM
◆▼ SLE 50C363PE-M5.1	SP000104936	T-M5.1-8-1	
◆▼ SLE 50C363PE-MFC5.6	SP000104937	S-MFC5.6-6	
◆▼ SLE 50C363PE-MFC5.8	SP000104938	S-MFC5.8-8-1	
◆▼ SLE 50C683PE-C	SP000104939	wafer	Enhanced high performance controller with 36-Kbyte EEPROM, 136-Kbyte ROM, 4096-byte RAM, DDES
◆▼ SLE 50C683PE-M5.1	SP000104940	T-M5.1-8-1	
◆▼ SLE 50C683PE-MFC5.6	SP000104941	S-MFC5.6-6	
◆▼ SLE 50C683PE-MFC5.8	SP000104942	S-MFC5.8-8-1	
◆ SLE 66C321PE-M5.1	SP000060137	T-M5.1-8-1	Enhanced high performance controller with 32-Kbyte EEPROM, 96-Kbyte ROM, 2304-byte RAM
◆ SLE 66C321PE-MFC5.6	SP000060138	S-MFC5.6-6	
◆ SLE 66C321PE-MFC5.8	SP000060139	S-MFC5.8-8-1	
◆ SLE 66C324PE-C	SP000060144	wafer	Enhanced high performance controller with 32-Kbyte EEPROM, 136-Kbyte ROM, 4352-byte RAM, DDES
◆ SLE 66C324PE-M5.1	SP000009889	T-M5.1-8-1	
◆ SLE 66C324PE-MFC5.6	SP000067540	S-MFC5.6-6	
◆ SLE 66C324PE-MFC5.8	SP000067545	S-MFC5.8-8-1	
◆ SLE 66C360PE-C	SP000060146	wafer	Enhanced high performance controller with 36-Kbyte EEPROM, 196-Kbyte ROM, 4352-byte RAM, DDES
◆ SLE 66C360PE-M5.1	SP000067575	T-M5.1-8-1	
◆▼ SLE 66C367PE-C	SP000204418	wafer	Enhanced high performance controller with 36-Kbyte EEPROM
◆▼ SLE 66C367PE-M5.1	SP000204419	T-M5.1-8-1	
◆▼ SLE 66C367PE-MFC5.6	SP000204420	S-MFC5.6-6	
◆▼ SLE 66C367PE-MFC5.8	SP000204421	S-MFC5.8-8-1	
◆ SLE 66CX360PE-C	SP000060189	wafer	Enhanced high performance controller with 36-Kbyte EEPROM, 196-Kbyte ROM, 6400 + 700-byte Crypto RAM, 1100-bit advanced crypto engine, certified RSA 2048-bit library available, DDES
◆▼ SLE 66CX360PE-M5.1	SP000215320	T-M5.1-8-1	
◆ SLE 66CX360PE-MFC5.6	SP000060191	S-MFC5.6-6	
◆ SLE 66CX360PE-MFC5.8	SP000060192	S-MFC5.8-8-1	
◆ SLE 66C680PE-M	SP000060159	wafer	Enhanced high performance controller with 68-Kbyte EEPROM, 244-Kbyte ROM, 6400-byte RAM, DDES
◆ SLE 66C680PE-M5.1	SP000060160	T-M5.1-8-1	
◆ SLE 66CX680PE-C	SP000067526	wafer	Enhanced high performance controller with 68-Kbyte EEPROM, 244-Kbyte ROM, 6400 + 700-byte Crypto RAM, 1100-bit advanced crypto engine, certified RSA 2048-bit library available, DDES
◆▼ SLE 66CX680PE-M5.1	SP000216967	T-M5.1-8-1	
◆ SLE 66CX680PE-MFC5.6	SP000060200	S-MFC5.6-6	
◆ SLE 66CX680PE-MFC5.8	SP000060201	S-MFC5.8-8-1	
◆ SLE 66C681PE-C	SP000060161	wafer	Enhanced high performance controller with 68-Kbyte EEPROM, 136-Kbyte ROM, 4352-byte RAM, DDES
◆ SLE 66C681PE-M5.1	SP000060162	T-M5.1-8-1	
◆ SLE 66C681PE-MFC5.6	SP000060163	S-MFC5.6-6	
◆ SLE 66C681PE-MFC5.8	SP000060164	S-MFC5.8-8-1	
◆ SLE 66C682PE-C	SP000060165	wafer	Enhanced high performance controller with 68-Kbyte EEPROM, 196-Kbyte ROM, 4352-byte RAM, DDES
◆ SLE 66C682PE-M5.1	SP000060166	T-M5.1-8-1	
◆ SLE 66C682PE-MFC5.6	SP000060167	S-MFC5.6-6	
◆ SLE 66C682PE-MFC5.8	SP000060168	S-MFC5.8-8-1	

6

SMD = Surface Mounted Device

Chip Card + Security ICs

Type	Ordering Code	Package	Description
Smart Card Controllers			
High End Security Controller			
◆▼ SLE 88C1690P-C	SP000234852	wafer	High end 32-bit security controller with 164-Kbyte EEPROM, 304-Kbyte ROM, 12-Kbyte RAM, DDES, ideal for virtual machine, optimized for multi-application
◆▼ SLE 88C1690P-M5.1	SP000234853	T-M5.1-8-1	
◆▼ SLE 88C1690P-MFC5.6	SP000234854	S-MFC5.6-6	
◆▼ SLE 88C1690P-MFC5.8	SP000234855	S-MFC5.8-8-1	High end 32-bit security controller with 92-Kbyte EEPROM, 304-Kbyte ROM, 12-Kbyte RAM, DDES, ideal for virtual machine, optimized for multi-application
◆▼ SLE 88C920P-C	SP000227724	wafer	
◆▼ SLE 88C920P-M5.1	SP000227725	T-M5.1-8-1	
◆▼ SLE 88C920P-MFC5.6	SP000227726	S-MFC5.6-6	High end 32-bit security controller with 292-Kbyte EEPROM, 80-Kbyte ROM, 16-Kbyte RAM with powerful Memory Management & Protection Unit, optimized for multi-application cards with highest level security
◆▼ SLE 88C920P-MFC5.8	SP000227727	S-MFC5.8-8-1	
◆▼ SLE 88CF2920P-C	SP000096156	wafer	
◆▼ SLE 88CF2920P-M5.1	SP000096157	T-M5.1-8-1	High end 32-bit security controller with 292-Kbyte EEPROM, 80-Kbyte ROM, 16-Kbyte RAM with powerful Memory Management & Protection Unit, optimized for multi-application cards with highest level security
◆▼ SLE 88CF2920P-MFC5.6	SP000096158	S-MFC5.6-6	
◆▼ SLE 88CF2920P-MFC5.8	SP000096159	S-MFC5.8-8-1	
◆▼ SLE 88CFX2920P-C	SP000096151	wafer	High end 32-bit security controller with 352-Kbyte EEPROM, 80-Kbyte ROM, 16-Kbyte RAM with powerful Memory Management & Protection Unit, optimized for multi-application cards with highest level security
◆▼ SLE 88CFX2920P-M5.1	SP000096152	T-M5.1-8-1	
◆▼ SLE 88CFX2920P-MFC5.6	SP000096149	S-MFC5.6-6	
◆▼ SLE 88CFX2920P-MFC5.8	SP000096150	S-MFC5.8-8-1	High end 32-bit security controller with 352-Kbyte EEPROM, 80-Kbyte ROM, 16-Kbyte RAM with powerful Memory Management & Protection Unit, optimized for multi-application cards with highest level security
◆▼ SLE 88CF3520P-C	SP000096160	wafer	
◆▼ SLE 88CF3520P-M5.1	SP000096161	T-M5.1-8-1	
◆▼ SLE 88CF3520P-MFC5.6	SP000096162	S-MFC5.6-6	High end 32-bit security controller with 80-Kbyte EEPROM, 240-Kbyte ROM, 8192-byte RAM, ideal for virtual machine execution and for calculation of Crypto algorithm, optimized for multi-application cards with highest level security
◆▼ SLE 88CF3520P-MFC5.8	SP000096163	S-MFC5.8-8-1	
◆ SLE 88CFX720P-C	SP000060217	wafer	
◆ SLE 88CFX720P-M5.3	SP000060218	T-M5.3	High end 32-bit security controller with 352-Kbyte EEPROM, 80-Kbyte ROM, 16-Kbyte RAM with powerful Memory Management & Protection Unit, optimized for multi-application cards with highest level security
◆▼ SLE 88CFX3520P-C	SP000096154	wafer	
◆▼ SLE 88CFX3520P-M5.1	SP000096155	T-M5.1-8-1	
◆▼ SLE 88CFX3520P-MFC5.6	SP000096153	S-MFC5.6-6	High end 32-bit security controller with 400-Kbyte EEPROM, 80-Kbyte ROM, 16-Kbyte RAM, ideal for virtual machine, optimized for multi-application cards with highest level security
◆▼ SLE 88CF4000P-C	SP000067771	wafer	
◆▼ SLE 88CF4000P-M5.1	SP000067772	T-M5.1-8-1	
◆▼ SLE 88CF4000P-MFC5.6	SP000210814	S-MFC5.6-6	High end 32-bit security controller with 400-Kbyte EEPROM, 80-Kbyte ROM, 16-Kbyte RAM, ideal for virtual machine execution and for calculation of Crypto algorithm, optimized for multi-application cards with highest level security
◆▼ SLE 88CF4000P-MFC5.8	SP000067773	S-MFC5.8-8-1	
◆ SLE 88CFX4000P-C	SP000060206	wafer	
◆ SLE 88CFX4000P-M5.1	SP000060207	T-M5.1-8-1	High end 32-bit security controller with 400-Kbyte EEPROM, 80-Kbyte ROM, 16-Kbyte RAM, ideal for virtual machine execution and for calculation of Crypto algorithm, optimized for multi-application cards with highest level security
◆▼ SLE 88CFX4000P-MFC5.6	SP000207229	S-MFC5.6-6	
◆▼ SLE 88CFX4000P-MFC5.8	SP000207223	S-MFC5.8-8-1	
◆ SLE 88CFX4002P-C	SP000060214	wafer	
◆ SLE 88CFX4002P-M5.1	SP000060215	T-M5.1-8-1	
◆ SLE 88CFX4002P-MFC5.8	SP000060216	S-MFC5.8-8-1	

6

SMD = Surface Mounted Device

Chip Card + Security ICs

Type	Ordering Code	Package	Description
Smart Card Memories			
Telecom ICs			
◆ SLE 7736-C	SP000060269	wafer	New high class Telecom IC manufactured in IMEM 2000 technology. Eurochip 77 defines the new standard for Smart Card Memories. Intelligent 237-bit EEPROM counter for > 20000 units with security logic, high security authentication and Card-Trash mechanism, data of 3rd byte are programmed by Infineon exclusively
◆ SLE 7736-M3.2	SP000060270	T-M3.2-6-1	
◆▼ SLE 7736-MFC3.1	SP000228320	S-MFC3.1-6-1	
◆▼ SLE 7736E-C	SP000009512	wafer	
◆▼ SLE 7736E-D	SP000009513	wafer sawn	
◆▼ SLE 7736E-M3.2	SP000009443	T-M3.2-6-1	New high class Telecom IC manufactured in IMEM 2000 technology. Eurochip 77 defines the new standard for Smart Card Memories. Intelligent 237-bit EEPROM counter for > 20000 units with security logic, high security authentication and Card-Trash mechanism, data of 3rd byte are programmed by the card manufacturer at personalization
◆ SLE 6636-C	SP000060267	wafer	Eurochip 66 take the advantage of 18 years experience in the Smart Card Memory business. Intelligent 237-bit EEPROM counter for > 20000 units with security logic, high security authentication and Card-Trash mechanism
◆▼ SLE 6636COM-C	SP000010098	wafer	
◆ SLE 6636-D	SP000010093	wafer sawn	
◆▼ SLE 6636COM-D	SP000010094	wafer sawn	
◆ SLE 6636-M3.2	SP000010110	T-M3.2-6-1	
◆▼ SLE 6636COM-M3.2	SP000010111	T-M3.2-6-1	
◆ SLE 6636-MFC3.1	SP000010022	S-MFC3.1-6-1	
◆▼ SLE 6636COM-M3.2	SP000010020	S-MFC3.1-6-1	
◆▼ SLE 6636E-C	SP000101316	wafer	
◆▼ SLE 6636ECOM-D	SP000079443	wafer sawn	
◆▼ SLE 6636E-M3.2	SP000204855	T-M3.2-6-1	Eurochip 66 take the advantage of 18 years experience in the Smart Card Memory business. Intelligent 237-bit EEPROM counter for > 20000 units with security logic, high security authentication and Card-Trash mechanism, 40-bit counter area including 1-bit for personalization (PROM/EEPROM)
◆▼ SLE 6636ECOM-M3.2	SP000214217	T-M3.2-6-1	
◆▼ SLE 6636E-MFC3.1	SP000102643	S-MFC3.1-6-1	
◆▼ SLE 6636ECOM-MFC3.1	SP000217141	S-MFC3.1-6-1	Classic is a intelligent 112-bit EEPROM counter for > 20000 units with security logic without authentication, 40 bit for personalization data of card issuer, data of 3rd byte are programmed by the card manufacturer at personalization
◆▼ SLE 4406SPE-C	SP000095249	wafer	
◆▼ SLE 4406SPE-D	SP000095254	wafer sawn	
◆▼ SLE 4406SPE-M3.2	SP000095380	T-M3.2-6-1	
◆▼ SLE 4406SPE-MFC3.1	SP000095381	S-MFC3.1-6-1	
Datacarrier ICs			
◆ SLE 4418-M2.2	SP000060239	T-M2.2-8-1	Data Carrier 44 for identification applications (health insurance card, access control and member card), intelligent 1-Kbyte EEPROM, 24-bit ROM
◆ SLE 4428-C	SP000060240	wafer	Data Carrier 44 for identification applications (health insurance card, access control and member card), intelligent 1-Kbyte EEPROM, 24-bit ROM, with security code, security logic and transport key
◆ SLE 4428-M2.2	SP000060241	T-M2.2-8-1	
◆ SLE 4432-C	SP000060242	wafer	Data Carrier 44 for identification applications (health insurance card, access control, electronic ticket and loyalty), intelligent 256-byte EEPROM, 32-bit ROM, with byte protection, irreversible chip coding
◆ SLE 4432-M3.2	SP000060243	T-M3.2-6-1	
◆▼ SLE 4432 MFC3.1	SP000063713	S-MFC3.1-6-1	Data Carrier 44 for identification applications (health insurance card, access control, electronic ticket and loyalty), intelligent 256-byte EEPROM, 32-bit ROM, with byte protection, irreversible chip coding, security code, security logic and transport key
◆ SLE 4442-C	SP000060256	wafer	
◆ SLE 4442-M2.2	SP000009848	T-M2.2-8-1	
◆ SLE 4442-M3.2	SP000067536	T-M3.2-6-1	Intelligent 256-byte EEPROM with write protection function, will replace SLE 4432
◆▼ SLE 4442-MFC3.1	SP000095055	S-MFC3.1-6-1	
◆▼ SLE 5532-C	SP000222820	wafer	Intelligent 256-byte EEPROM with write protection function and Programmable Security Code (PSC), will replace SLE 4442
◆▼ SLE 5532-M2.2	SP000222821	T-M2.2-8-1	
◆▼ SLE 5532-M3.2	SP000222822	T-M3.2-6-1	
◆▼ SLE 5532-MFC3.1	SP000222823	S-MFC3.1-6-1	
◆▼ SLE 5542-C	SP000222824	wafer	
◆▼ SLE 5542-M2.2	SP000222825	T-M2.2-8-1	
◆▼ SLE 5542-M3.2	SP000222826	T-M3.2-6-1	
◆▼ SLE 5542-MFC3.1	SP000222827	S-MFC3.1-6-1	

6

SMD = Surface Mounted Device

Chip Card + Security ICs

Type	Ordering Code	Package	Description
Contactless Products			
Contactless Security Controller			
◆ SLE 66CL80P-C	SP000060223	wafer	Dual interface controller with 8-Kbyte EEPROM, 70-Kbyte ROM, 2304-byte RAM in 0.22 µm technology, ideal for multi-application cards using security with 3DES or Elliptic curve calculations for e.g. e-purse, identification and transportation
◆▼ SLE 66CL80P-NB	SP000060225	wafer sawn	
◆ SLE 66CL80P-M8.4	SP000067534	P-M8.4-8-1	
◆ SLE 66CLX320P-C	SP000060231	wafer	Dual interface controller with 32-Kbyte EEPROM, 136-Kbyte ROM, 5052-byte RAM incl. Crypto RAM in 0.22 µm technology, ideal for multi-application cards requiring a high level of security, suitable for all applications
◆ SLE 66CLX320P-M8.4	SP000060232	P-M8.4-8-1	
◆ SLE 66CLX320P-MCC8	SP000009480	P-MCC8-2-1	
◆ SLE 66CL81P-C	SP000060226	wafer	Contactless controller with 8-Kbyte EEPROM, 72-Kbyte ROM, 2304-byte RAM in 0.22 µm technology, optimized for pure contactless single-/multi-application cards with 3DES or Elliptic curve calculations for e.g. e-purse, identification and transportation
◆▼ SLE 66CL81P-NB	SP000067777	wafer sawn	
◆ SLE 66CL81P-MCC8	SP000060230	P-MCC8-2-1	
◆ SLE 66CLX321P-C	SP000060233	wafer	Contactless controller with 32-Kbyte EEPROM, 136-Kbyte ROM, 5052-byte incl. Crypto RAM in 0.22 µm technology, optimized for pure contactless single-/multi-application cards with 3DES, RSA or Elliptic curve calculations for e.g. banking and identification
◆ SLE 66CLX321P-MCC8	SP000060234	P-MCC8-2-1	
◆ SLE 66CLX640P-C	SP000060235	wafer	Dual interface controller with 64-Kbyte EEPROM, 136-Kbyte ROM, 5052-byte incl. Crypto RAM in 0.22 µm technology, ideal for multi-application cards requiring a high level of security, suitable for all applications
◆ SLE 66CLX640P-M8.4	SP000067542	T-M8.4-8-1	
◆ SLE 66CLX641P-C	SP000060236	wafer	Contactless controller with 64-Kbyte EEPROM, 136-Kbyte ROM, 5052-byte incl. Crypto RAM in 0.22 µm technology, optimized for pure contactless single-/multi-application cards with 3DES, RSA or Elliptic curve calculations for e.g. banking and identification
◆▼ SLE 66CLX641P-M	SP000017196	wafer	
◆ SLE 66CLX641P-MCC8	SP000018099	P-MCC8-2-1	
◆▼ SLE 66CLX641P-MFC5.8	SP000060237	S-MFC5.8-8-1	

Chip Card + Security ICs

Type	Ordering Code	Package	Description
Contactless Products			
Contactless Memories my-d™ vicinity			
◆▼ SRF 55V01P-NB	SP000219049	wafer sawn	Intelligent 576-bit EEPROM with contactless interface complying to ISO/IEC 18000-3 mode 1 ISO compliant mode
◆ SRF 55V02P-C	SP000009363	wafer	Intelligent 2-Kbit EEPROM with contactless interface complying to ISO/IEC 15693 and security logic
◆ SLE 55V02P-NB	SP000009489	wafer sawn	
◆ SRF 55V02P-MCC2	SP000009367	P-MCC2-2-1	
◆ SRF 55V02P-MFCC1	SP000010033	S-MFCC1-2-1	
◆ SRF 55V02P-S-Y1.0	SP000009372	S-Y1.0-2-1	
◆ SRF 55V02S-C	SP000009364	wafer	Intelligent 2-Kbit EEPROM with contactless interface complying to ISO/IEC 15693 and security logic, security algorithm, 64-bit key length, selective memory access control, 32-bit MAC, transport key
◆ SRF 55V02S-NB	SP000009491	wafer sawn	
◆ SRF 55V02S-MCC2	SP000009368	P-MCC2-2-1	
◆ SRF 55V02S-MFCC1	SP000010034	S-MFCC1-2-1	
◆ SRF 55V02S-S-Y1.0	SP000009373	S-Y1.0-2-1	
◆ SRF 55V02S-S-Y2.0	SP000009374	S-Y2.0-2-1	
◆ SRF 55V10P-C	SP000009362	wafer	Intelligent 10-Kbit EEPROM with contactless interface complying to ISO/IEC 15693 and security logic
◆ SRF 55V10P-NB	SP000009490	wafer sawn	
◆ SRF 55V10P-MCC2	SP000009365	P-MCC2-2-1	
◆ SRF 55V10P-MFCC1	SP000010035	S-MFCC1-2-1	
◆ SRF 55V10S-C	SP000009289	wafer	Intelligent 10-Kbit EEPROM with contactless interface complying to ISO/IEC 15693 and security logic, security algorithm, 64-bit key length, selective memory access control, 32-bit MAC, transport key
◆ SRF 55V10S-NB	SP000009290	wafer sawn	
◆ SRF 55V10S-MCC2	SP000009366	P-MCC2-2-1	
◆ SRF 55V10S-MFCC1	SP000010036	S-MFCC1-2-1	
◆ SRF 55V10S-S-Y1.0	SP000009371	S-Y1.0-2-1	
◆ SRF 55V10S-S-Y2.0	SP000009376	S-Y2.0-2-1	
◆▼ SRF 66V10IT-NB	SP000010136	wafer	Intelligent 10-Kbit EEPROM with contactless interface complying to ISO/IEC 18000-3 Mode 2, PJM item tag
◆▼ SRF 66V10ST-NB	SP000206820	wafer sawn	Intelligent 10-Kbit EEPROM with contactless interface enhancement of ISO/IEC 18000-3 Mode 2, stack tag
◆ my-d vicinity eva kit	SP000010087	—	Evaluation kit for my-d™ vicinity products

Contactless Memories my-d™ proximity

◆▼ SLE 55R04	SP000008645	wafer	Intelligent 770-byte EEPROM with contactless interface complying to ISO/IEC 14443 type A and security logic
◆ SLE 55R04-NB	SP000076154	wafer sawn	
◆ SLE 55R04-MCC2	SP000008803	P-MCC2-2-1	
◆ SLE 55R16-C	SP000107208	wafer	Intelligent 2560-byte EEPROM with contactless interface complying to ISO/IEC 14443 type A and security logic

Infineon MIFARE®

◆ SLE 66R35-C	SP000009422	wafer	Intelligent 1-Kbyte Memory chip with interface for contactless transmission according to the MIFARE®-system
◆ SLE 66R35-NB	SP000009425	wafer sawn	
◆ SLE 66R35-MCC2	SP000009450	P-MCC2-2-1	
◆ SLE 66R35-MCC8	SP000009487	P-MCC8-2-1	
◆ SLE 66R35-MFCC1	SP000010024	S-MFCC1-2-1	

6

SMD = Surface Mounted Device

Plastic Optical Fiber Components

7

Plastic Fiber Components 144

Plastic Optical Fiber Components

Type	Ordering Code	Φ_{in} Plastic Fibre μW	λ_{peak} nm	t_r μs	t_f μs
------	---------------	---	------------------------	------------------	------------------

Plastic Fiber Components

Light-Link Diodes (Emitter)

(polished fiber ends; $I_F = 10 \text{ mA}$)

SFH 756	SP000063802	200 (≥ 100)	660	0.1	0.1
SFH 757	SP000063871	150 (≥ 100)	650	15	18

Light-Link Diodes (Emitter) with Screw Connection

SFH 756 V	SP000063814	200 (≥ 100)	660	0.1	0.1
SFH 757 V	SP000063858	150 (≥ 100)	650	15	18

Type	Ordering Code	I_p $V_R = 5 \text{ V}$ $\Phi_{in} = 10 \mu W$ μA	λ_{Smax} nm	V_{Rmax} V
------	---------------	---	------------------------	-----------------

Light-Link Diode (Detector)

SFH 250	SP000063866	3.0 ($\lambda = 660 \text{ nm}$)	850	30
---------	-------------	------------------------------------	-----	----

Light-Link Diode (Detector) with Screw Connection

SFH 250 V	SP000063852	3.0 ($\lambda = 660 \text{ nm}$)	850	30
-----------	-------------	------------------------------------	-----	----

Type	Ordering Code	I_{CE} μA	λ_{Smax} nm	V_{CEO} V
------	---------------	---------------------	------------------------	----------------

Light-Link Transistor (Detector)

SFH 350	SP000063861	0.8 ($\lambda = 660 \text{ nm}$)	850	50
---------	-------------	------------------------------------	-----	----

Light-Link Transistor (Detector) with Screw Connection

SFH 350 V	SP000063853	0.8 ($\lambda = 660 \text{ nm}$)	850	50
-----------	-------------	------------------------------------	-----	----

Type	Ordering Code	Transmission Rate Mbit/s	$\Phi_{opt}^{1)}$ μW	t_{PHL}, t_{PLH} ns
------	---------------	-----------------------------	------------------------------	--------------------------

Light-Link Digital Emitter

(TTL Compatible, open Collector)

SFH 551/1-1	SP000063860	5	6 ... 1000	< 100, < 250
-------------	-------------	---	------------	--------------

Light-Link Digital Emitter

(TTL Compatible) with Screw Connection

SFH 551/1-1V	SP000063855	5	6 ... 1000	< 100, < 250
--------------	-------------	---	------------	--------------

1) Optical output for "Low" measured at fibre end

7

Plastic Optical Fiber Components

Type	Ordering Code	Description
Plastic Fiber Components		
MOST®-Optical POF Transmitter and Receiver		
▼ SPF MIR 003 02	SP000063793	Infineon's MOST® (Media Oriented Systems Transport) is a high-end POF receiver for in-car entertainment and information system, 50 Mbit/s, 650 nm LED and Si-detectors, 5 V, tube
▼ SPF MIT 003 02	SP000063798	Infineon's MOST® (Media Oriented Systems Transport) is a high-end POF transmitter for in-car entertainment and information system, 50 Mbit/s, 650 nm LED and Si-detectors, 5 V, tube
▼ SPF MIR 401	SP000085239	Infineon's MOST® (Media Oriented Systems Transport) is a high-end POF receiver with extended temperature range (-40°C to 95°C) for in-car entertainment and information system, 50 Mbit/s, 650 nm LED and Si-detectors, 5 V (3.3 V on request), compliant to MOST PHY1.1, tube
▼ SPF MIT 401	SP000085139	Infineon's MOST® (Media Oriented Systems Transport) is a high-end POF transmitter with extended temperature range (-40°C to 95°C) for in-car entertainment and information system, 50 Mbit/s, 650 nm LED and Si-detectors, 5 V (3.3 V on request), compliant to MOST PHY1.1, tube
▼ SPF MIT 401+	SP000105135	Infineon's MOST® (Media Oriented Systems Transport) is a high-end POF transmitter with extended temperature range (-40°C to 95°C) and enhanced functionality for use in combination with the SMC NIC OS8104, for in-car entertainment and information system, 50 Mbit/s, 650 nm LED and Si-detectors, 5 V (3.3 V on request), compliant to MOST PHY1.1, tube

Summary of Types

Type	Ordering Code	Page	Type	Ordering Code	Page
Numerics			BA 892-02V 10k	SP000013175	122
2ED020I12F	SP000014669	89	BA 892-02V 3k	SP000013174	122
2ED020I12F	SP000107512	89	BA 892-02V 8k	SP000104706	122
A			BA 895 3k	SP000012458	122
ADM 5120 PX AB T2	SP000081012	19	BAL 74 3k	SP000014992	103
ADM 5120 X AB T2-G	SP000078983	19	BAL 99 10k	SP000010161	103
ADM 6992 CX AB T1	SP000076431	19	BAL 99 3k	SP000010159	103
ADM 6992 FX AB T1	SP000077768	19	BAR 14-1 (Dual) 3k	SP000010164	122
ADM 6992 KX AB T1	SP000076432	19	BAR 15-1 (Dual) 3k	SP000010163	122
ADM 6992 SX AB T1	SP000223283	19	BAR 16-1 (Dual) 3k	SP000010165	122
ADM 6992 X AD T1	SP000076445	19	BAR 50-02L 15k	SP000013603	122
ADM 6993 FX AD T1	SP000016437	19	BAR 50-02V 3k	SP000012921	122
ADM 6993 X AD T1	SP000076438	19	BAR 61 (Triple) 3k	SP000010169	122
ADM 6995 LCX AD T1	SP000219864	19	BAR 63-02L 15k	SP000013537	122
ADM 6996 FCX AD R1	SP000229744	19	BAR 63-02L 50k	SP000013538	122
ADM 6996 FCX AD T1	SP000219863	19	BAR 63-02V 3k	SP000010162	122
ADM 6996 HX AD T1	SP000220561	20	BAR 63-02W 10k	SP000010171	123
ADM 6996 IX AD T1	SP000219861	19	BAR 63-02W 3k	SP000010170	123
ADM 6996 LCX AD R1	SP000228446	20	BAR 63-02W 8k	SP000104697	123
ADM 6996 LCX AD T1	SP000219862	20	BAR 63-03W (Dual) 10k	SP000010173	123
ADM 6996 MX AD T1	SP000210310	20	BAR 63-03W (Dual) 3k	SP000010172	123
ADM 6999 GX A2 T1	SP000076440	20	BAR 63-04 (Dual) 3k	SP000012206	123
ADM 6999 UX A2 T1	SP000076439	20	BAR 63-04W (Dual) 3k	SP000010174	123
ADM 6999 X A2 T1	SP000076443	20	BAR 63-05 (Dual) 10k	SP000012210	123
ADM 7001 X AC R1	SP000083260	20	BAR 63-05 (Dual) 3k	SP000012207	123
ADM 7001 X AC T1	SP000076255	20	BAR 63-05W (Dual) 3k	SP000010175	123
ADM 8262 X AC T1	SP000208914	21	BAR 63-06 (Dual) 3k	SP000012208	123
ADM 8266 A21	SP000098969	21	BAR 63-06W (Dual) 3k	SP000010176	123
ADM 8266M A21	SP000098970	21	BAR 63-06W (Dual) 3k	SP000010176	123
ADM 8511 X CC T1	SP000076521	19	BAR 64-02LRH 15k	SP000051041	123
ADM 8513 X AD T1	SP000077769	19	BAR 64-02LRH 50k	SP000083331	123
ADM 8515X AC T1	SP000064377	19	BAR 64-02V 3k	SP000010361	123
ADM 8668 FX A12-G	SP000208946	19	BAR 64-02V 8k	SP000104696	123
ADM 8668 TX A12	SP000208947	19	BAR 64-03W 3k	SP000010179	123
AN 983 BLX BG TV1	SP000076446	19	BAR 64-04 (Dual) 3k	SP000012211	123
AN 983 BX BG TV1	SP000075554	19	BAR 64-04W (Dual) 3k	SP000010180	123
AN 983 BX BG TV3	SP000103413	19	BAR 64-05 (Dual) 10k	SP000012214	123
AN 983X AH T 21	SP000078897	19	BAR 64-05 (Dual) 3k	SP000012212	123
AN 983X AH T 22	SP000078898	19	BAR 64-05W (Dual) 10k	SP000010183	123
AN 985 BX BG TV1	SP000076447	19	BAR 64-05W (Dual) 3k	SP000010181	123
B			BAR 64-06 (Dual) 3k	SP000012213	123
BA 592 10k	SP000010142	122	BAR 64-06W (Dual) 3k	SP000010182	123
BA 592 3k	SP000010141	122	BAR 64-07 (Dual) 3k	SP000010184	123
BA 595 10k	SP000010148	122	BAR 65-02L 15k	SP000013542	123
BA 595 10x3k	SP000095921	122	BAR 65-02V 3k	SP000010359	123
BA 595 3k	SP000010146	122	BAR 65-03W 3k	SP000010186	123
BA 885 3k	SP000010151	122	BAR 66	SP000010187	125
BA 892 10k	SP000010158	122	BAR 67-02V 3k	SP000010369	123
BA 892 3k	SP000010154	122	BAR 74 3k	SP000010202	103
BA 892 8k	SP000104705	122	BAR 81W 3k	SP000010192	121
BA 892-02L 15k	SP000013535	122	BAR 88-02LRH 15k	SP000051042	123
			BAR 88-02LRH 50k	SP000083408	123
			BAR 88-02V 3k	SP000013484	123
			BAR 88-02V 8k	SP000104695	123
			BAR 88-07LRH (Dual) 15k	SP000053489	123
			BAR 88-098LRH (Dual) 15k	SP000053490	123
			BAR 88-099LRH 15k	SP000053491	123
			BAR 89-02LRH 15k	SP000051043	123
			BAR 89-02LRH 50k	SP000083407	123

Summary of Types

Type	Ordering Code	Page	Type	Ordering Code	Page
BAS 90-02LRH 15k	SP000051045	123	BAS 70-04 (Dual) 3k	SP000010253	105
BAS 90-02LS 15k	SP000200323	123	BAS 70-04S (Quad) 3k	SP000014598	105
BAS 90-07LRH (Dual) 15k	SP000053483	123	BAS 70-04W (Dual) 3k	SP000010249	105
BAS 90-098L4 (Dual) 15k	SP000062626	123	BAS 70-05 (Dual) 10k	SP000078827	105
BAS 90-098LRH (Dual) 15k	SP000053484	123	BAS 70-05 (Dual) 3k	SP000010252	105
BAS 90-099LRH 15k	SP000053485	123	BAS 70-05W (Dual) 3k	SP000010250	105
BAS 95-02LS 15k	SP000099220	123	BAS 70-06 (Dual) 10k	SP000010260	105
BAS 116 3k	SP000010194	103	BAS 70-06 (Dual) 3k	SP000010254	105
BAS 125-04W (Dual) 3k	SP000012255	121	BAS 70-06W (Dual) 3k	SP000010251	105
BAS 125-05W (Dual) 3k	SP000012256	121	BAS 70-07 (Dual) 10k	SP000010269	105
BAS 125-06W (Dual) 3k	SP000012257	121	BAS 70-07 (Dual) 3k	SP000010266	105
BAS 125-07W (Dual) 3k	SP000010198	121	BAS 70-07W (Dual) 3k	SP000010270	105
BAS 140W 3k	SP000010199	105	BAT 15-02LRH 15k	SP000055124	121
BAS 16 10k	SP000010201	103	BAT 15-03W 3k	SP000010272	121
BAS 16 10x3k	SP000223866	103	BAT 15-04W (Dual) 3k	SP000012598	121
BAS 16 3k	SP000010203	103	BAT 15-05W (Dual) 3k	SP000012597	121
BAS 16 9x10k	SP000223927	103	BAT 15-07LRH 15k	SP000055813	121
BAS 16 W 10k	SP000010215	103	BAT 15-098LRH 15k	SP000055342	121
BAS 16 W 3k	SP000010214	103	BAT 15-099 (Dual) 10k	SP000010275	121
BAS 16-02L 15k	SP000013548	103	BAT 15-099 (Dual) 3k	SP000010273	121
BAS 16-02V 3k	SP000014911	103	BAT 15-099LRH 15k	SP000055343	121
BAS 16-02W 3k	SP000010212	103	BAT 15-099R (Quad) 3k	SP000010276	121
BAS 16-03W 3k	SP000010213	103	BAT 165 3k	SP000010277	106
BAS 16-07L4 (Dual) 3k	SP000013972	103	BAT 17 3k	SP000010280	121
BAS 16S (Triple) 3k	SP000010200	104	BAT 17-04 (Dual) 3k	SP000010283	121
BAS 16U (Triple) 3k	SP000012608	104	BAT 17-04W (Dual) 3k	SP000012242	121
BAS 170W 3k	SP000010216	105	BAT 17-05 (Dual) 3k	SP000010285	121
BAS 21 10k	SP000010219	103	BAT 17-05W (Dual) 3k	SP000012243	121
BAS 21 3k	SP000010217	103	BAT 17-06W (Dual) 3k	SP000012244	121
BAS 21-03W 10k	SP000082470	103	BAT 17-07 (Dual) 3k	SP000010289	121
BAS 21-03W 3k	SP000012522	103	BAT 18-04 3k	SP000010290	121
BAS 21U (Triple) 3k	SP000012610	104	BAT 18-05 3k	SP000010291	121
BAS 28 (Dual) 3k	SP000010225	104	BAT 240A (Dual) 3k	SP000010292	106
BAS 28W (Dual) 3k	SP000010230	104	BAT 54 3k	SP000068499	106
BAS 3005B-02V 3k	SP000065626	106	BAT 54-02LRH 3k	SP000234099	106
BAS 3010A-03W 3k	SP000068629	106	BAT 54-02V 3k	SP000232851	106
BAS 3010B-03W 3k	SP000068630	106	BAT 54-04 (Dual) 3k	SP000068500	106
BAS 40 10k	SP000010233	105	BAT 54-04W (Dual) 3k	SP000233428	106
BAS 40 3k	SP000010235	105	BAT 54-05 (Dual) 3k	SP000068509	106
BAS 40-02L 15k	SP000013549	105	BAT 54-05W (Dual) 3k	SP000233429	106
BAS 40-04 (Dual) 10k	SP000010243	105	BAT 54-06 (Dual) 3k	SP000068510	106
BAS 40-04 (Dual) 3k	SP000010241	105	BAT 54-06W (Dual) 3k	SP000233430	106
BAS 40-05 (Dual) 10k	SP000010242	105	BAT 54W (Dual) 3k	SP000233431	106
BAS 40-05 (Dual) 3k	SP000010240	105	BAT 60A 3k	SP000010294	121
BAS 40-05W (Dual) 3k	SP000014595	105	BAT 60B 10k	SP000010297	121
BAS 40-06 (Dual) 10k	SP000010244	105	BAT 60B 3k	SP000010296	121
BAS 40-06 (Dual) 3k	SP000010239	105	BAT 62 3k	SP000010300	122
BAS 40-06W (Dual) 3k	SP000014597	105	BAT 62-02L 3k	SP000016963	122
BAS 40-07 (Dual) 10x3k	SP000056361	105	BAT 62-02W 3k	SP000010301	122
BAS 40-07 (Dual) 3k	SP000010245	105	BAT 62-03W 3k	SP000010303	122
BAS 40-07W (Dual) 3k	SP000010246	105	BAT 62-07L4 (Dual) 15k	SP000013970	122
BAS 52-02V 3k	SP000013936	105	BAT 62-07L4 (Dual) 50k	SP000077202	122
BAS 52-02V 8k	SP000104721	105	BAT 62-07W (Dual) 3k	SP000010304	122
BAS 70 10k	SP000010248	105	BAT 62-09S (Dual) 3k	SP000055207	122
BAS 70 3k	SP000010247	105	BAT 63-07W 3k	SP000010306	122
BAS 70-02L 15k	SP000013550	105	BAT 64 3k	SP000010307	106
BAS 70-02W (Dual) 3k	SP000012521	105	BAT 64-02W 3k	SP000012516	106
BAS 70-04 (Dual) 10k	SP000010256	105	BAT 64-04 (Dual) 10k	SP000010314	106



Summary of Types

Type	Ordering Code	Page	Type	Ordering Code	Page
BAT 64-04 (Dual) 3k	SP000010309	106	BB 535 unmatched 3k	SP000010377	124
BAT 64-04T (Dual) 3k	SP000029976	106	BB 545 matched 3k	SP000010383	124
BAT 64-04W (Dual) 3k	SP000014600	106	BB 545 unmatched 3k	SP000010384	124
BAT 64-05 (Dual) 3k	SP000010310	106	BB 555 matched 3k	SP000010389	124
BAT 64-05W (Dual) 3k	SP000014601	106	BB 555 unmatched 3k	SP000010390	124
BAT 64-06 (Dual) 3k	SP000010311	106	BB 555-02V unmatched 3k	SP000013177	124
BAT 64-06W (Dual) 3k	SP000014602	106	BB 555-02V matched 3k	SP000013176	124
BAT 68 3k	SP000012514	121	BB 565 matched 3k	SP000010393	124
BAT 68-04 (Dual) 3k	SP000010320	121	BB 565 unmatched 3k	SP000010392	124
BAT 68-04W (Dual) 3k	SP000012246	121	BB 565-02V matched 3k	SP000013416	124
BAT 68-06 (Dual) 3k	SP000010322	121	BB 639 matched 3k	SP000010401	124
BAT 68-06W (Dual) 3k	SP000012245	121	BB 639 unmatched 3k	SP000010403	124
BAT 68-07W (Dual) 3k	SP000010324	121	BB 639C matched 3k	SP000010396	124
BAT 68-08S 3k	SP000012460	122	BB 640 matched 3k	SP000010406	124
BAV 170 (Dual) 10k	SP000010332	104	BB 644 matched 3k	SP000010411	124
BAV 170 (Dual) 3k	SP000010325	104	BB 659 matched 3k	SP000056645	124
BAV 199 (Dual) 10k	SP000010330	104	BB 659 unmatched 3k	SP000010414	124
BAV 199 (Dual) 3k	SP000010326	104	BB 659C matched 3k	SP000010417	124
BAV 199 (Dual) 3k	SP000056360	104	BB 659C-02V matched 3k	SP000013179	124
BAV 70 (Dual) 10k	SP000014924	104	BB 659C-02V unmatched 3k	SP000013180	124
BAV 70 (Dual) 10x3k	SP000223868	104	BB 664 matched 3k	SP000010418	124
BAV 70 (Dual) 3k	SP000014923	104	BB 664-02V matched 3k	SP000013418	124
BAV 70 (Dual) 9x10k	SP000223928	104	BB 669 matched 3k	SP000010419	124
BAV 70S (Quad) 3k	SP000010338	104	BB 689 matched 3k	SP000010423	124
BAV 70T 3k	SP000013068	104	BB 689 unmatched 3k	SP000010422	124
BAV 70U (Quad) 3k	SP000012931	104	BB 689-02V matched 3k	SP000013414	124
BAV 70W (Dual) 10k	SP000014990	104	BB 689-02V unmatched 3k	SP000013415	124
BAV 70W (Dual) 3k	SP000014989	104	BB 804SF1 (Dual) 3k	SP000010425	124
BAV 99 (Dual) 10k	SP000010342	104	BB 804SF2 (Dual) 3k	SP000010426	124
BAV 99 (Dual) 10x3k	SP000223871	104	BB 804SF3 (Dual) 3k	SP000010427	124
BAV 99 (Dual) 3k	SP000010350	104	BB 814GR1 (Dual) 10k	SP000051040	124
BAV 99 (Dual) 3k	SP000095919	104	BB 814GR1 (Dual) 3k	SP000010433	124
BAV 99 (Dual) 9x10k	SP000223929	104	BB 814GR1 (Dual) 3k	SP000095920	124
BAV 99S (Quad) 10k	SP000010357	104	BB 814GR2 (Dual) 3k	SP000010435	124
BAV 99S (Quad) 3k	SP000010356	104	BB 831 3k	SP000012250	124
BAV 99T 10k	SP000012343	104	BB 833 10k	SP000010438	124
BAV 99T 3k	SP000012342	104	BB 833 3k	SP000010437	124
BAV 99U (Quad) 3k	SP000012613	104	BB 837 3k	SP000010441	124
BAV 99W (Dual) 10k	SP000010341	104	BB 844 3k	SP000013388	124
BAV 99W (Dual) 10x3k	SP000056356	104	BB 857 matched 3k	SP000010443	124
BAV 99W (Dual) 3k	SP000010340	104	BB 914 (Dual) 3k	SP000010445	124
BAW 101 (Dual) 10k	SP000010364	105	BBY 51 10k	SP000010451	126
BAW 101 (Dual) 3k	SP000010363	105	BBY 51 3k	SP000010449	126
BAW 156 (Dual) 3k	SP000010327	105	BBY 51-02L 15k	SP000014590	126
BAW 222 (Dual) 3k	SP000015125	105	BBY 51-02W 3k	SP000010452	126
BAW 56 10x3k	SP000223877	104	BBY 51-03W 3k	SP000010453	126
BAW 56 9x10k	SP000223931	104	BBY 52-02L 15k	SP000014591	126
BAW 56 (Dual) 10k	SP000014931	104	BBY 52-02W 3k	SP000010454	126
BAW 56 (Dual) 3k	SP000014929	104	BBY 53 3k	SP000010455	126
BAW 56S (Quad) 10x3k	SP000056359	104	BBY 53-02L 15k	SP000014592	126
BAW 56S (Quad) 3k	SP000014908	104	BBY 53-02V 3k	SP000010337	126
BAW 56T (Dual) 3k	SP000014912	104	BBY 53-02W 3k	SP000010459	126
BAW 56U (Quad) 3k	SP000014993	104	BBY 53-03LRH 15k	SP000083405	126
BAW 56W (Dual) 3k	SP000014991	104	BBY 53-03W 3k	SP000010461	126
BAW 78 D 1k	SP000010370	103	BBY 53-05W 3k	SP000012248	126
BAW 79 D (Dual) 1k	SP000014594	103	BBY 55-02V 3k	SP000013069	126
BB 439 matched 3k	SP000010372	124	BBY 55-02W 3k	SP000012232	126
BB 535 matched 3k	SP000010375	124	BBY 55-03W 3k	SP000012238	126



Summary of Types

Type	Ordering Code	Page	Type	Ordering Code	Page
BBY 56-02W 3k	SP000012233	126	BC 817UPN 3k	SP000012398	120
BBY 56-02W 8k	SP000104694	126	BC 818-16W 3k	SP000010488	107
BBY 56-03W 3k	SP000012239	126	BC 818-25 3k	SP000010503	107
BBY 57-02L 15k	SP000013551	126	BC 818-40 3k	SP000010495	107
BBY 57-02V 3k	SP000010317	126	BC 846A 10k	SP000010532	107
BBY 57-02W 3k	SP000012234	126	BC 846A 3k	SP000010531	107
BBY 57-02W 8k	SP000104693	126	BC 846B 10k	SP000010534	107
BBY 57-05W 3k	SP000012457	126	BC 846B 10x3k	SP000223891	107
BBY 58-02L 15k	SP000013552	126	BC 846B 3k	SP000010530	107
BBY 58-02V 3k	SP000012231	126	BC 846B 9x10k	SP000223940	107
BBY 58-02W 3k	SP000012235	126	BC 846BW 3k	SP000010523	107
BBY 58-02W 8k	SP000104692	126	BC 846PN 3k	SP000010518	120
BBY 58-03W 3k	SP000012240	126	BC 846S 10k	SP000010522	120
BBY 58-05W 3k	SP000014603	126	BC 846S 3k	SP000010521	120
BBY 58-06W 3k	SP000014605	126	BC 846U 3k	SP000012619	120
BBY 59-02V 3k	SP000012825	126	BC 846UPN 3k	SP000012621	120
BBY 61-02LS 3k	SP000200324	126	BC 847A 3k	SP000010571	107
BBY 65-02V 3k	SP000013604	126	BC 847B 10k	SP000010576	107
BBY 66-05 3k	SP000012826	126	BC 847B 10x3k	SP000223887	107
BBY 66-05W 3k	SP000012827	126	BC 847B 3k	SP000010559	107
BC 807-16 10k	SP000010475	112	BC 847B 3k	SP000209608	107
BC 807-16 3k	SP000010474	112	BC 847B 9x10k	SP000223941	107
BC 807-16W 3k	SP000014778	112	BC 847BF 3k	SP000012995	107
BC 807-25 10k	SP000010478	112	BC 847BL3 15k	SP000013553	107
BC 807-25 10x3k	SP000223880	112	BC 847BT 10k	SP000012401	107
BC 807-25 3k	SP000010472	112	BC 847BW 3k	SP000010606	107
BC 807-25 9x10k	SP000223932	112	BC 847C 10k	SP000010590	107
BC 807-25W 3k	SP000014779	112	BC 847C 10x3k	SP000223890	107
BC 807-40 10k	SP000010477	112	BC 847C 3k	SP000010565	107
BC 807-40 10x3k	SP000223878	112	BC 847C 9x10k	SP000223942	107
BC 807-40 3k	SP000010473	112	BC 847CW 10k	SP000010616	107
BC 807-40 9x10k	SP000223933	112	BC 847CW 10x3k	SP000056355	107
BC 807-40W 10k	SP000014689	112	BC 847CW 3k	SP000010607	107
BC 807-40W 3k	SP000014688	112	BC 847PN 10k	SP000010594	120
BC 807U 3k	SP000012395	120	BC 847PN 10x3k	SP000056358	120
BC 808-25 10k	SP000015033	112	BC 847PN 3k	SP000010593	120
BC 808-25 3k	SP000015031	112	BC 847S 10k	SP000010599	120
BC 808-25W 3k	SP000014777	112	BC 847S 3k	SP000010598	120
BC 808-40 10x3k	SP000095913	112	BC 848A 3k	SP000010568	107
BC 808-40 3k	SP000015032	112	BC 848B 10k	SP000010581	107
BC 808-40W 3k	SP000010462	112	BC 848B 3k	SP000010561	107
BC 817-16 10k	SP000010513	107	BC 848BL3 15k	SP000013554	107
BC 817-16 10x3k	SP000223882	107	BC 848BW 3k	SP000010610	107
BC 817-16 3k	SP000010501	107	BC 848C 10k	SP000010582	108
BC 817-16 9x10k	SP000223935	107	BC 848C 10x3k	SP000095914	108
BC 817-25 10k	SP000010510	107	BC 848C 3k	SP000010552	108
BC 817-25 10x3k	SP000223884	107	BC 848CW 3k	SP000010611	108
BC 817-25 3k	SP000010500	107	BC 849B 3k	SP000010567	108
BC 817-25 9x10k	SP000223936	107	BC 849C 3k	SP000010564	108
BC 817-25W 10k	SP000010484	107	BC 849CW 3k	SP000010613	108
BC 817-25W 3k	SP000010485	107	BC 850B 10x3k	SP000223897	108
BC 817-40 10k	SP000010512	107	BC 850B 3k	SP000010572	108
BC 817-40 10x3k	SP000223885	107	BC 850B 9x10k	SP000223943	108
BC 817-40 3k	SP000010502	107	BC 850BF 3k	SP000012997	108
BC 817-40 9x10k	SP000223938	107	BC 850BW 3k	SP000010614	108
BC 817-40W 3k	SP000010487	107	BC 850C 10x3k	SP000223898	108
BC 817U 3k	SP000012394	120	BC 850C 3k	SP000010563	108
BC 817UPN 10x3k	SP000056357	120	BC 850C 9x10k	SP000207342	108



Summary of Types

Type	Ordering Code	Page	Type	Ordering Code	Page
BC 850CW 3k	SP000010615	108	BCP 56-10 4k	SP000010718	111
BC 856A 3k	SP000012934	112	BCP 56-16 1k	SP000010706	111
BC 856B 10k	SP000012936	112	BCP 68-25 1k	SP000010721	111
BC 856B 3k	SP000012935	112	BCP 69 US 3k	SP000013957	116
BC 856BW 10k	SP000012945	112	BCP 69-16 1k	SP000015153	116
BC 856BW 3k	SP000012943	112	BCP 69-25 1k	SP000015154	116
BC 856S 10k	SP000012941	120	BCR 08PN 10k	SP000083564	119
BC 856S 3k	SP000012942	120	BCR 08PN 10x3k	SP000010726	119
BC 856U 3k	SP000012620	120	BCR 08PN 3k	SP000010727	119
BC 857A 3k	SP000010639	112	BCR 101L3 15k	SP000014850	109
BC 857B 10k	SP000010648	112	BCR 101T 3k	SP000014813	109
BC 857B 10x3k	SP000223899	112	BCR 103F 3k	SP000014847	109
BC 857B 3k	SP000010633	112	BCR 103L3 15k	SP000014756	109
BC 857B 9x10k	SP000223944	112	BCR 103T 3k	SP000014757	109
BC 857BF 3k	SP000012999	112	BCR 108 10k	SP000010737	109
BC 857BL3 3k	SP000013556	112	BCR 108 10x3k	SP000056348	109
BC 857BT 3k	SP000012404	112	BCR 108 3k	SP000010736	109
BC 857BW 3k	SP000010672	112	BCR 108F 3k	SP000013046	109
BC 857C 10k	SP000010660	112	BCR 108L3 15k	SP000014758	109
BC 857C 10x3k	SP000223900	112	BCR 108S 10k	SP000010740	119
BC 857C 3k	SP000010640	112	BCR 108S 3k	SP000010743	119
BC 857C 9x10k	SP000223945	112	BCR 108T 3k	SP000012799	109
BC 857CW 10k	SP000010682	112	BCR 108W 3k	SP000010746	109
BC 857CW 3k	SP000010673	112	BCR 10PN 10x3k	SP000010731	119
BC 857S 10k	SP000010667	120	BCR 10PN 3k	SP000010732	119
BC 857S 3k	SP000010666	120	BCR 112 3k	SP000010747	109
BC 858A 3k	SP000010636	112	BCR 112F 3k	SP000014062	109
BC 858B 10k	SP000010652	112	BCR 112L3 15k	SP000014852	109
BC 858B 3k	SP000010634	112	BCR 112T 3k	SP000014126	109
BC 858BL3 3k	SP000013555	112	BCR 112W 3k	SP000010748	109
BC 858BW 3k	SP000010675	112	BCR 114F 3k	SP000014848	109
BC 858C 10k	SP000010654	113	BCR 114L3 15k	SP000014851	109
BC 858C 3k	SP000010624	113	BCR 114T 3k	SP000014773	109
BC 858CW 3k	SP000010676	113	BCR 116 10k	SP000010751	109
BC 859C 3k	SP000010637	113	BCR 116 3k	SP000010749	109
BC 860B 3k	SP000010642	113	BCR 116F 3k	SP000013047	109
BC 860BF 3k	SP000013002	113	BCR 116L3 15k	SP000014853	109
BC 860BW 3k	SP000010680	113	BCR 116S 3k	SP000012266	119
BC 860C 10x3k	SP000223901	113	BCR 116T 3k	SP000014775	109
BC 860C 9x10k	SP000223946	113	BCR 116W 3k	SP000012264	109
BC 860CW 3k	SP000010681	113	BCR 119 10k	SP000010754	109
BCM 846S 3k	SP000013958	120	BCR 119 3k	SP000010752	109
BCM 856S 3k	SP000014127	120	BCR 119F 3k	SP000014440	109
BCP 49 1k	SP000010685	117	BCR 119L3 15k	SP000014854	109
BCP 51 1k	SP000010692	116	BCR 119S 10k	SP000012332	119
BCP 51-10 1k	SP000010693	116	BCR 119S 3k	SP000012331	119
BCP 51-16 1k	SP000010694	116	BCR 119T 3k	SP000014774	109
BCP 51-16 4k	SP000010703	116	BCR 119W 3k	SP000012267	109
BCP 52-16 1k	SP000010696	116	BCR 129 3k	SP000012520	109
BCP 53-10 1k	SP000010697	116	BCR 129F 3k	SP000014441	109
BCP 53-16 1k	SP000010698	116	BCR 129L3 15k	SP000014855	109
BCP 53-16 4k	SP000010702	116	BCR 129S 3k	SP000010755	119
BCP 54 1k	SP000010707	111	BCR 129T 3k	SP000012800	109
BCP 54-16 1k	SP000010709	111	BCR 129W 3k	SP000014963	109
BCP 54-16 4k	SP000010717	111	BCR 133 10k	SP000010759	109
BCP 55 1k	SP000010713	111	BCR 133 10x3k	SP000056346	109
BCP 55-16 1k	SP000010711	111	BCR 133 3k	SP000010757	109
BCP 56-10 1k	SP000010712	111	BCR 133F 10x3k	SP000014049	109



Summary of Types

Type	Ordering Code	Page	Type	Ordering Code	Page
BCR 133F 3k	SP000014050	109	BCR 158W 10x3k	SP000056347	114
BCR 133L3 15k	SP000013564	109	BCR 158W 3k	SP000012761	114
BCR 133S 10k	SP000010763	119	BCR 162 10x3k	SP000056352	114
BCR 133S 10x3k	SP000056343	119	BCR 162 3k	SP000010785	114
BCR 133S 3k	SP000010761	119	BCR 162F 3k	SP000014445	114
BCR 133T 3k	SP000012801	109	BCR 162L3 15k	SP000014868	114
BCR 133W 3k	SP000010764	109	BCR 162T 3k	SP000012545	114
BCR 135 10k	SP000010767	110	BCR 164F 3k	SP000014864	114
BCR 135 10x3k	SP000095915	110	BCR 164L3 15k	SP000014869	114
BCR 135 3k	SP000010765	110	BCR 164T 3k	SP000014817	114
BCR 135F 3k	SP000013048	110	BCR 166 10k	SP000010791	114
BCR 135L3 15k	SP000014856	110	BCR 166 10x3k	SP000056344	114
BCR 135S 3k	SP000012335	119	BCR 166 3k	SP000010788	114
BCR 135T 3k	SP000012802	110	BCR 166F 3k	SP000014446	114
BCR 135W 3k	SP000010768	110	BCR 166L3 15k	SP000014870	114
BCR 139F 3k	SP000014442	110	BCR 166T 3k	SP000014766	114
BCR 139L3 15k	SP000014857	110	BCR 166W 3k	SP000012875	114
BCR 139T 3k	SP000014763	110	BCR 169 3k	SP000010793	114
BCR 141 10k	SP000010771	110	BCR 169F 3k	SP000014447	114
BCR 141 3k	SP000010769	110	BCR 169L3 15k	SP000014871	114
BCR 141F 3k	SP000013049	110	BCR 169S 3k	SP000012272	119
BCR 141L3 15k	SP000014858	110	BCR 169T 3k	SP000014767	114
BCR 141S 3k	SP000012336	119	BCR 169W 3k	SP000012271	114
BCR 141T 3k	SP000012803	110	BCR 179F 3k	SP000014791	114
BCR 141W 3k	SP000010773	110	BCR 179L3 15k	SP000014872	114
BCR 142 10x3k	SP000010774	110	BCR 179T 3k	SP000014768	114
BCR 142 3k	SP000010775	110	BCR 183 10k	SP000010796	114
BCR 142F 3k	SP000014063	110	BCR 183 10x3k	SP000057461	114
BCR 142L3 15k	SP000014859	110	BCR 183 3k	SP000010794	114
BCR 142T 3k	SP000012804	110	BCR 183F 3k	SP000012994	114
BCR 142W 3k	SP000012269	110	BCR 183L3 15k	SP000013565	114
BCR 146 3k	SP000010777	110	BCR 183S 10k	SP000010804	119
BCR 146F 3k	SP000014443	110	BCR 183S 3k	SP000010802	119
BCR 146L3 15k	SP000014860	110	BCR 183T 3k	SP000012807	114
BCR 146T 3k	SP000014776	110	BCR 183W 3k	SP000010805	114
BCR 148 10x3k	SP000056351	110	BCR 185 10k	SP000010807	114
BCR 148 3k	SP000010780	110	BCR 185 3k	SP000010806	114
BCR 148F 10x3k	SP000013050	110	BCR 185F 3k	SP000013054	115
BCR 148F 3k	SP000013051	110	BCR 185L3 15k	SP000014873	115
BCR 148L3 15k	SP000014861	110	BCR 185S 10x3k	SP000056342	119
BCR 148S 10k	SP000012339	119	BCR 185S 3k	SP000012273	119
BCR 148S 3k	SP000012338	119	BCR 185T 3k	SP000014106	115
BCR 148T 3k	SP000012805	110	BCR 185W 3k	SP000010808	115
BCR 148W 3k	SP000010783	110	BCR 189F 3k	SP000014448	115
BCR 149 T 3k	SP000014814	110	BCR 189L3 15k	SP000014874	115
BCR 149F 3k	SP000014849	110	BCR 189T 3k	SP000014818	115
BCR 149L3 15k	SP000014862	110	BCR 191 3k	SP000010810	115
BCR 151F 3k	SP000014863	114	BCR 191F 3k	SP000014065	115
BCR 151L3 15k	SP000014865	114	BCR 191L3 15k	SP000014875	115
BCR 151T 3k	SP000014815	114	BCR 191T 3k	SP000014789	115
BCR 153F 3k	SP000014444	114	BCR 191W 3k	SP000012275	115
BCR 153L3 15k	SP000014866	114	BCR 192 10x3k	SP000056349	115
BCR 153T 3k	SP000014764	114	BCR 192 3k	SP000010812	115
BCR 158 10x3k	SP000056353	114	BCR 192F 3k	SP000014066	115
BCR 158 3k	SP000010784	114	BCR 192L3 15k	SP000014876	115
BCR 158F 3k	SP000013053	114	BCR 192T 3k	SP000012808	115
BCR 158L3 15k	SP000014867	114	BCR 192W 3k	SP000010816	115
BCR 158T 3k	SP000012806	114	BCR 196 3k	SP000014762	115



Summary of Types

Type	Ordering Code	Page	Type	Ordering Code	Page
BCR 196F 3k	SP000014449	115	BCV 61C 3k	SP000010887	120
BCR 196L3 15k	SP000014877	115	BCV 62A 3k	SP000010889	120
BCR 196T 3k	SP000014765	115	BCV 62B 10k	SP000010893	120
BCR 196W 3k	SP000018040	115	BCV 62B 3k	SP000010890	120
BCR 198 10k	SP000010820	115	BCV 62C 3k	SP000010891	120
BCR 198 10x3k	SP000056350	115	BCW 60B 3k	SP000010551	108
BCR 198 3k	SP000010817	115	BCW 60C 3k	SP000010548	108
BCR 198F 3k	SP000013055	115	BCW 60D 3k	SP000010549	108
BCR 198L3 15k	SP000014878	115	BCW 60FF 3k	SP000010554	108
BCR 198S 3k	SP000010822	119	BCW 61A 3k	SP000010621	113
BCR 198T 3k	SP000013045	115	BCW 61B 3k	SP000010629	113
BCR 198W 3k	SP000010824	115	BCW 61C 3k	SP000010622	113
BCR 199F 3k	SP000014879	115	BCW 61D 3k	SP000010627	113
BCR 199L3 15k	SP000014880	115	BCW 66F 3k	SP000010504	108
BCR 199T 3k	SP000014816	115	BCW 66G 10k	SP000010509	108
BCR 22PN 10k	SP000010827	119	BCW 66G 3k	SP000010496	108
BCR 22PN 3k	SP000010826	119	BCW 66H 10x3k	SP000010493	108
BCR 35PN 10k	SP000010832	119	BCW 66H 3k	SP000010499	108
BCR 35PN 3k	SP000010831	119	BCW 67A 3k	SP000015036	113
BCR 400W 3k	SP000010834	116	BCW 67B 3k	SP000015035	113
BCR 401R 3k	SP000013678	116	BCW 67C 3k	SP000015037	113
BCR 402R 3k	SP000013057	116	BCW 68F 3k	SP000015041	113
BCR 402U 3k	SP000013482	116	BCW 68G 3k	SP000015039	113
BCR 405U 3k	SP000013481	116	BCW 68H 3k	SP000015040	113
BCR 410W 3k	SP000012946	116	BCX 41 3k	SP000010894	108
BCR 48PN 10k	SP000010837	119	BCX 42 10k	SP000010902	113
BCR 48PN 3k	SP000010836	119	BCX 42 3k	SP000010900	113
BCR 503 10x3k	SP000056345	110	BCX 51 1k	SP000014826	116
BCR 503 3k	SP000010839	110	BCX 51-10 1k	SP000014825	116
BCR 505 3k	SP000010841	110	BCX 51-16 1k	SP000014827	116
BCR 512 10x3k	SP000056341	110	BCX 52 1k	SP000014828	116
BCR 512 3k	SP000010844	110	BCX 52-16 1k	SP000014830	116
BCR 519 3k	SP000015052	110	BCX 53 1k	SP000010906	116
BCR 521 3k	SP000010845	110	BCX 53-10 1k	SP000010908	116
BCR 523 10k	SP000010852	110	BCX 53-16 1k	SP000010907	116
BCR 523 3k	SP000010851	110	BCX 53-16 4k	SP000010909	116
BCR 523U 3k	SP000013381	119	BCX 54-16 1k	SP000010918	111
BCR 533 3k	SP000010853	110	BCX 55 1k	SP000010916	111
BCR 553 3k	SP000010854	115	BCX 55-16 1k	SP000010920	111
BCR 555 10k	SP000010857	115	BCX 55-16 4k	SP000010922	111
BCR 555 3k	SP000010855	115	BCX 56 1k	SP000010914	111
BCR 562 3k	SP000010859	115	BCX 56-10 1k	SP000010915	111
BCR 569 3k	SP000015053	115	BCX 56-16 1k	SP000010913	111
BCR 573 10k	SP000010860	115	BCX 56-16 4k	SP000017942	111
BCR 573 3k	SP000010861	115	BCX 68-10 1k	SP000010924	111
BCR 583 3k	SP000012278	115	BCX 68-16 1k	SP000010925	111
BCV 26 3k	SP000010874	117	BCX 68-25 1k	SP000010926	111
BCV 27 10k	SP000010869	117	BCX 69-10 1k	SP000010928	116
BCV 27 3k	SP000010865	117	BCX 69-16 1k	SP000010929	116
BCV 28 1k	SP000010879	117	BCX 69-25 1k	SP000010930	116
BCV 29 1k	SP000010883	117	BCX 70G 3k	SP000010555	108
BCV 46 3k	SP000010873	117	BCX 70H 10k	SP000010578	108
BCV 47 10k	SP000010864	117	BCX 70H 3k	SP000010550	108
BCV 47 3k	SP000010866	117	BCX 70J 10k	SP000010573	108
BCV 48 1k	SP000010880	117	BCX 70J 3k	SP000010556	108
BCV 49 1k	SP000010882	117	BCX 70K 3k	SP000010558	108
BCV 61A 3k	SP000010885	120	BCX 71G 3k	SP000010623	113
BCV 61B 3k	SP000010886	120	BCX 71H 3k	SP000010631	113



Summary of Types

Type	Ordering Code	Page	Type	Ordering Code	Page
BCX 71J 10k	SP000010647	113	BFP 405F 15k	SP000012985	131
BCX 71J 3k	SP000010625	113	BFP 420 10k	SP000011036	131
BCX 71K 3k	SP000010632	113	BFP 420 3k	SP000011035	131
BDP 947 1k	SP000010931	108	BFP 420F 15k	SP000012986	131
BDP 948 1k	SP000010938	113	BFP 450 3k	SP000011039	131
BDP 948 4k	SP000010943	113	BFP 460 3k	SP000015119	131
BDP 949 1k	SP000010932	108	BFP 520 3k	SP000012229	131
BDP 950 1k	SP000010939	113	BFP 520F 15k	SP000012987	131
BDP 953 1k	SP000010934	108	BFP 540 3k	SP000012602	131
BDP 954 1k	SP000010941	113	BFP 540ESD 3k	SP000105377	131
BF 1005 3k	SP000010946	127	BFP 540F 15k	SP000012988	131
BF 1005S 10k	SP000010952	127	BFP 620 E-7764 3k	SP000012604	131
BF 1005S 3k	SP000010949	127	BFP 620F E-7764 15k	SP000012989	131
BF 1005SR 3k	SP000010950	127	BFP 640 3k	SP000012991	131
BF 1009S 3k	SP000010955	127	BFP 640F 3k	SP000015118	131
BF 1009SR 3k	SP000010956	127	BFP 650 3k	SP000013932	131
BF 2030 E-6814 3k	SP000012219	127	BFP 740 3k	SP000016424	131
BF 2030R E-6814 3k	SP000012220	127	BFP 740F 3k	SP000055205	131
BF 2030W E-6814 3k	SP000012223	127	BFP 740L3 3k	SP000085183	131
BF 2040 E-6814 3k	SP000012215	127	BFR 19S 1k	SP000011042	130
BF 2040R E-6814 3k	SP000012216	127	BFR 106 3k	SP000011044	128
BF 2040W E-6814 3k	SP000012226	127	BFR 181 3k	SP000011047	128
BF 5030W 3k	SP000101236	127	BFR 181 E-6780 3k	SP000011049	128
BF 517 3k	SP000010958	128	BFR 181T 3k	SP000013378	128
BF 770A 3k	SP000010965	128	BFR 181W 3k	SP000011050	128
BF 771 3k	SP000010967	128	BFR 182 10x3k	SP000056362	128
BF 775 3k	SP000010972	128	BFR 182 3k	SP000011051	128
BF 799 3k	SP000010973	128	BFR 182T 3k	SP000012913	128
BF 799W 3k	SP000010975	128	BFR 182W 3k	SP000011053	128
BF 998 3k	SP000010978	127	BFR 183 3k	SP000011054	128
BF 998R 3k	SP000010979	127	BFR 183T 3k	SP000012600	128
BF 999 3k	SP000010985	127	BFR 183W 3k	SP000011055	128
BFG 135A 1k	SP000010991	130	BFR 193 3k	SP000011056	128
BFG 193 4k	SP000010994	130	BFR 193F 3k	SP000012976	128
BFG 196 1k	SP000010995	130	BFR 193L3 3k	SP000013557	128
BFG 19S 1k	SP000010992	130	BFR 193W 3k	SP000011057	128
BFG 235 1k	SP000010996	130	BFR 340F 15k	SP000012978	129
BFN 18 1k	SP000010997	118	BFR 340L3 15k	SP000013558	129
BFN 19 1k	SP000010998	118	BFR 340T 3k	SP000012982	129
BFN 24 3k	SP000014784	118	BFR 35AP 3k	SP000011060	128
BFN 26 10k	SP000014786	118	BFR 360F 15k	SP000012979	129
BFN 26 3k	SP000014785	118	BFR 360L3 15k	SP000013560	129
BFN 27 3k	SP000014782	118	BFR 360T 3k	SP000012983	129
BFN 38 1k	SP000011006	118	BFR 380F 15k	SP000012981	129
BFN 39 1k	SP000014781	118	BFR 380L3 15k	SP000013562	129
BFP 181 3k	SP000011013	128	BFR 380T 3k	SP000012984	129
BFP 182 3k	SP000011015	128	BFR 460L3 15k	SP000014238	129
BFP 182R 3k	SP000011016	128	BFR 92P 3k	SP000011062	128
BFP 182W 3k	SP000011017	128	BFR 92W 3k	SP000011065	128
BFP 183 3k	SP000011018	128	BFR 93A 3k	SP000011066	128
BFP 183W 3k	SP000011023	128	BFR 93AW 3k	SP000011071	128
BFP 193 3k	SP000011024	128	BFR 949L3 15k	SP000013563	129
BFP 193W 3k	SP000011026	128	BFR 949T 3k	SP000012972	129
BFP 196 3k	SP000011027	128	BFS 17P 10k	SP000011079	129
BFP 196R 3k	SP000011028	128	BFS 17P 3k	SP000011073	129
BFP 196W 3k	SP000011030	128	BFS 17S 3k	SP000011081	131
BFP 405 10k	SP000011033	131	BFS 17W 3k	SP000011082	129
BFP 405 3k	SP000011032	131	BFS 360L6 15k	SP000013974	129



Summary of Types

Type	Ordering Code	Page	Type	Ordering Code	Page
BFS 380L6 15k	SP000013976	129	BSC 085N025S G	SP000095469	59
BFS 386L6 15k	SP000013975	129	BSC 094N03S G	SP000016415	61
BFS 460L6 15k	SP000014239	131	BSC 106N025S G	SP000095470	59
BFS 466L6 15k	SP000014240	131	BSC 119N03S G	SP000016416	61
BFS 469L6 15k	SP000014241	131	BSD 223P	SP000013661	65
BFS 481 3k	SP000011084	131	BSL 207SP	SP000012582	65
BFS 483 3k	SP000011086	131	BSL 207SP G	SP000095796	65
BFT 92 3k	SP000011087	130	BSL 211SP	SP000012580	65
BG 3123 3k	SP000014846	127	BSL 211SP G	SP000095797	65
BG 3123R 3k	SP000015126	127	BSL 307SP	SP000012585	65
BG 3130 3k	SP000013182	127	BSL 307SP G	SP000095798	65
BG 3130R 3k	SP000014450	127	BSO 052N03S G	SP000080998	61
BG 3140 3k	SP000013183	127	BSO 064N03S	SP000014672	61
BG 3140R 3k	SP000014451	127	BSO 064N03S G	SP000077646	61
BG 3230 3k	SP000013594	127	BSO 072N03S	SP000014673	61
BG 3230R 3k	SP000014452	127	BSO 072N03S G	SP000077647	61
BG 5130R 3k	SP000101237	127	BSO 080P03S	SP000014958	65
BGA 416 3k	SP000013607	130	BSO 094N03S	SP000014674	61
BGA 420 3k	SP000011089	130	BSO 094N03S G	SP000077648	61
BGA 427 3k	SP000011091	130	BSO 104N03S	SP000014675	61
BGA 428 3k	SP000012971	130	BSO 104N03S G	SP000077649	61
BGA 612 3k	SP000013391	130	BSO 119N03S G	SP000077657	61
BGA 614 3k	SP000013392	130	BSO 130P03S	SP000014729	65
BGA 615L7 7.5k	SP000016766	130	BSO 150N03	SP000014678	61
BGA 616 3k	SP000013393	130	BSO 150N03	SP000077687	61
BGA 619 7.5k	SP000014629	130	BSO 200N03	SP000104683	61
BGA 622 3k	SP000013748	130	BSO 200N03S	SP000014677	61
BGA 622L7 7.5k	SP000017535	130	BSO 200N03S	SP000077658	61
BGB 420 3k	SP000012230	130	BSO 200P03S	SP000014959	65
BGB 540 3k	SP000013194	130	BSO 201SP	SP000012578	65
BGX 50 A (Bridge) 3k	SP000011092	103	BSO 203P	SP000012572	65
BlueMoon Single Cellular CF-Card	on request	21	BSO 203SP	SP000012579	65
BlueMoon Single Cellular Kit	on request	21	BSO 204P	SP000013487	65
BlueMoon Singlestone Cellular CF-Card	on request	21	BSO 207P	SP000012573	65
BlueMoon Singlestone Cellular Kit	on request	21	BSO 211P	SP000012623	65
BlueMoon Uni Cellular CF-Card	on request	21	BSO 300N03S	SP000014572	61
BlueMoon Uni Cellular Kit	on request	21	BSO 300N03S	SP000077644	61
BlueMoon Unistone Cellular CF-Card	on request	21	BSO 301SP	SP000012583	65
BlueMoon Unistone Cellular Kit	on request	21	BSO 303P	SP000012622	65
BSA 223SP	SP000014171	65	BSO 303SP	SP000014019	65
BSC 020N025S G	SP000095463	59	BSO 350N03S	SP000014679	61
BSC 022N03S G	SP000056189	61	BSO 350N03S G	SP000080984	61
BSC 024N025S G	SP000095464	59	BSO 4410	SP000013453	54
BSC 027N03S G	SP000095462	61	BSO 4410 G	SP000077498	54
BSC 029N025S G	SP000095465	59	BSO 4420	SP000013336	54
BSC 032N03S	SP000014714	61	BSO 4420 G	SP000077585	54
BSC 032N03S G	SP000056190	61	BSO 4804	SP000013606	54
BSC 037N025S G	SP000095466	59	BSO 4804 G	SP000077616	54
BSC 042N03S G	SP000056191	61	BSO 4822	SP000080997	54
BSC 048N025S G	SP000095467	59	BSO 604NS2	SP000013128	56
BSC 052N03S	SP000014716	61	BSO 612CV	SP000012292	67
BSC 052N03S G	SP000056192	61	BSO 612CV G	SP000216307	67
BSC 059N03S	SP000014717	61	BSO 613SPV	SP000012847	66
BSC 059N03S G	SP000056194	61	BSO 613SPV G	SP000216309	66
BSC 072N025S G	SP000095468	59	BSO 615C	SP000011972	67
BSC 079N03S G	SP000016414	61	BSO 615C G	SP000216311	67
			BSO 615N	SP000011097	51
			BSO 615N G	SP000216316	51



Summary of Types

Type	Ordering Code	Page	Type	Ordering Code	Page
BSP 123	SP000011099	51	BSP 60 4k	SP000011135	117
BSP 123 G	SP000089202	51	BSP 603S2L	SP000013597	56
BSP 125	SP000011100	68	BSP 61 1k	SP000011132	117
BSP 125 E-6433	SP000011101	68	BSP 613P	SP000012301	66
BSP 125 G	SP000089204	68	BSP 613P G	SP000089224	66
BSP 125 G E-6433	SP000089211	68	BSP 615S2L	SP000013181	56
BSP 129	SP000011102	67	BSP 62 1k	SP000011133	117
BSP 129 G	SP000089218	67	BSP 742R	SP000012105	85
BSP 129 G E-6906	SP000089219	67	BSP 742RI	SP000012106	85
BSP 135	SP000011103	67	BSP 742T	SP000011136	85
BSP 135 E-6906	SP000055417	67	BSP 752R	SP000012796	85
BSP 135 G	SP000089206	67	BSP 752T	SP000012797	85
BSP 135 G E-6906	SP000089207	67	BSP 75N	SP000013690	82
BSP 149	SP000011104	67	BSP 75N E-6327	SP000013689	82
BSP 149 E-6906	SP000055414	67	BSP 76 E-6327	SP000011146	82
BSP 149 G	SP000089214	67	BSP 762T	SP000011148	85
BSP 149 G E-6906	SP000089215	67	BSP 77 E-6327	SP000011150	82
BSP 170P	SP000012133	66	BSP 772T	SP000011152	85
BSP 170P G	SP000089225	66	BSP 78 E-6327	SP000011155	82
BSP 171P	SP000012134	66	BSP 88	SP000011159	53
BSP 171P G	SP000089226	66	BSP 88 G	SP000089217	53
BSP 295	SP000011105	51	BSP 89	SP000011160	53
BSP 295 G	SP000089210	51	BSP 89 G	SP000089216	53
BSP 296 E-6433	SP000011107	51	BSP 92P	SP000014253	66
BSP 296 G E-6327	SP000011106	51	BSP 92P G	SP000089223	66
BSP 296 G E-6327	SP000089209	51	BSS 119 E -6327	SP000011161	52
BSP 296 G E-6433	SP000089212	51	BSS 119 E-6433	SP000011164	52
BSP 297	SP000011108	53	BSS 119 E-7796	SP000011162	52
BSP 297 G	SP000089213	53	BSS 119 E-7978	SP000011163	52
BSP 298	SP000011109	68	BSS 123 E-6327	SP000011165	52
BSP 298 G	SP000088258	68	BSS 123 E-6433	SP000011166	52
BSP 299	SP000011110	68	BSS 123 E-7874	SP000011167	52
BSP 299 G	SP000089200	68	BSS 123 G E-6327	SP000084574	52
BSP 300	SP000011111	68	BSS 126 G	SP000055447	67
BSP 300 G	SP000089201	68	BSS 126 G E-6906	SP000055448	67
BSP 315P	SP000012319	66	BSS 127 G	SP000056646	68
BSP 315P G	SP000089221	66	BSS 131 E-6327	SP000011168	53
BSP 316P	SP000014249	66	BSS 138N E-6327	SP000014560	51
BSP 316P G	SP000089222	66	BSS 138N E-6433	SP000014561	51
BSP 317P	SP000014250	66	BSS 138N E-6908	SP000014564	51
BSP 317P G	SP000089220	66	BSS 138N E-7854	SP000014562	51
BSP 318S	SP000011112	51	BSS 138N E-8004	SP000014563	51
BSP 318S G	SP0000235371	51	BSS 138N G E-6327	SP000074207	51
BSP 320S E-6327	SP000011115	51	BSS 138W E-6327	SP000014283	51
BSP 320S E-6433	SP000011116	51	BSS 138W E-6433	SP000014284	51
BSP 320S G E-6327	SP0000235375	51	BSS 139	SP000011170	67
BSP 320S G E-6433	SP0000235376	51	BSS 139 E-6906	SP000055415	67
BSP 324	SP000011117	68	BSS 159N	SP000014638	67
BSP 324 G	SP000089203	68	BSS 159N E-6906	SP000055412	67
BSP 372	SP000011120	51	BSS 169	SP000011172	67
BSP 372 G	SP000087064	51	BSS 169 E-6906	SP000055416	67
BSP 373	SP000011121	52	BSS 192P	SP000014329	66
BSP 373 G	SP000087065	52	BSS 192P G	SP000095795	66
BSP 452 E-6327	SP000011123	85	BSS 209PW	SP000013478	65
BSP 50 1k	SP000011126	117	BSS 223PW	SP000013479	65
BSP 51 1k	SP000011127	117	BSS 225	SP000017502	68
BSP 52 1k	SP000011128	117	BSS 225 G	SP000095776	68
BSP 60 1k	SP000011131	117	BSS 670S2L	SP000013197	56



Summary of Types

Type	Ordering Code	Page	Type	Ordering Code	Page
BSS 7728N	SP000014637	51	BTS 3118N	SP000013724	82
BSS 83P	SP000012075	66	BTS 3134D	SP000013759	82
BSS 84P E-6327	SP000012321	66	BTS 3134N	SP000013758	82
BSS 84P E-6433	SP000012323	66	BTS 3142D	SP000013760	82
BSS 84P G E-6327	SP000082879	66	BTS 3207N	SP000054875	82
BSS 84PW	SP000013078	66	BTS 3408G (Dual)	SP000014072	82
BSS 87 E-6327	SP000011182	53	BTS 3410G (Dual)	SP000014334	82
BSS 87 E-6433	SP000082233	53	BTS 409L1	SP000011229	84
BSS 87 G E-6327	SP000095794	53	BTS 409L1 E-3043	SP000011230	84
BSV 236 SP	SP000013480	65	BTS 409L1 E-3062A	SP000011232	84
BTS 110	SP000011184	81	BTS 410E2	SP000011233	84
BTS 110 E-3045A	SP000011183	81	BTS 410E2 E-3043	SP000011234	84
BTS 112A	SP000011185	81	BTS 410E2 E-3062A	SP000011235	84
BTS 112A E-3045A	SP000011186	81	BTS 410F2	SP000011236	84
BTS 113A	SP000011187	81	BTS 410F2 E-3043	SP000011237	84
BTS 113A E-3045A	SP000011188	81	BTS 410F2 E-3062A	SP000016371	84
BTS 113A E-3064	SP000011189	81	BTS 4140N	SP000013791	85
BTS 114A	SP000011191	81	BTS 4141D	SP000013944	85
BTS 114A E-3045A	SP000011192	81	BTS 4141N	SP000013942	85
BTS 115A	SP000011193	81	BTS 4142N	SP000013945	85
BTS 115A E-3045A	SP000011194	81	BTS 426L1	SP000011242	84
BTS 117	SP000011195	82	BTS 426L1 E-3043	SP000011243	84
BTS 117 E-3044A	SP000011198	82	BTS 426L1 E-3062A	SP000011244	84
BTS 117 E-3045A	SP000011197	82	BTS 428L2	SP000012188	84
BTS 118D	SP000011199	82	BTS 432E2	SP000011248	84
BTS 121A	SP000011200	81	BTS 432E2 E-3043	SP000011250	84
BTS 121A E-3045A	SP000011201	81	BTS 432E2 E-3062A	SP000011253	84
BTS 129	SP000011202	81	BTS 436L2	SP000011255	84
BTS 129 E-3045A	SP000011203	81	BTS 436L2G	SP000011257	84
BTS 131	SP000011204	81	BTS 436L2S	SP000011256	84
BTS 131 E-3045A	SP000011206	81	BTS 441RG	SP000013386	84
BTS 132 E-3045A	SP000011210	81	BTS 441RS	SP000013384	84
BTS 132 E-3064	SP000011209	81	BTS 441T	SP000011258	84
BTS 132 E-3129	SP000011208	81	BTS 441TG	SP000012295	84
BTS 133	SP000011211	82	BTS 441TS	SP000011259	84
BTS 133 E-3045A	SP000011213	82	BTS 442E2	SP000011260	84
BTS 133 E-3064	SP000011212	82	BTS 442E2 E-3043	SP000011261	84
BTS 134D	SP000011216	82	BTS 442E2 E-3062A	SP000011263	84
BTS 141	SP000011218	82	BTS 443P	SP000012530	85
BTS 141 E-3045A	SP000011219	82	BTS 452R	SP000012791	85
BTS 141 E-3064	SP000011220	82	BTS 452T	SP000012792	85
BTS 142D	SP000012175	82	BTS 462T	SP000012191	85
BTS 240A	SP000011223	81	BTS 4880R	SP000013302	85
BTS 244Z	SP000012177	81	BTS 5210G	SP000013631	86
BTS 244Z E-3043	SP000012178	81	BTS 5210L	SP000013735	86
BTS 244Z E-3062A	SP000012180	81	BTS 5215L	SP000013737	86
BTS 247Z	SP000012184	81	BTS 5230GS	SP000082241	86
BTS 247Z E-3043	SP000012185	81	BTS 5231GS	SP000203741	86
BTS 247Z E-3062A	SP000012187	81	BTS 5234G	SP000014727	86
BTS 282Z	SP000012356	81	BTS 5234L	SP000014704	86
BTS 282Z E-3180A	SP000012360	81	BTS 5240G	SP000014567	86
BTS 282Z E-3230	SP000012357	81	BTS 5240L	SP000014002	86
BTS 307 E-3043	SP000011224	84	BTS 5241G	SP000014738	86
BTS 307 E-3062A	SP000011225	84	BTS 5241L	SP000014643	86
BTS 308 E-3043	SP000011226	84	BTS 5434G	SP000014710	87
BTS 308 E-3062A	SP000011227	84	BTS 5440G	SP000014185	87
BTS 3110N	SP000013948	82	BTS 5441G	SP000014644	87
BTS 3118D	SP000013725	82	BTS 550P E-3146	SP000011264	85



Summary of Types

Type	Ordering Code	Page	Type	Ordering Code	Page
BTS 555	SP000011266	85	BUP 311 D	SP000011954	74
BTS 555 E-3146	SP000011265	85	BUP 313	SP000011327	74
BTS 611L1	SP000011269	86	BUP 313 D	SP000011328	74
BTS 611L1 E-3128A	SP000011271	86	BUP 314	SP000011329	74
BTS 611L1 E-3230	SP000011270	86	BUP 314 D	SP000011330	74
BTS 6123B	SP000092062	85	BUZ 30A	SP000011336	53
BTS 6123P	SP000092063	85	BUZ 30A E-3045A	SP000011337	53
BTS 612N1 E-3128A	SP000011274	86	BUZ 30A E-3045A	SP000102176	53
BTS 612N1 E-3230	SP000011275	86	BUZ 31	SP000011341	53
BTS 6133D	SP000014006	85	BUZ 31 E-3045A	SP000011343	53
BTS 6142D	SP000074866	85	BUZ 31 E-3045A	SP000102175	53
BTS 6143D	SP000013143	85	BUZ 31 E-3046	SP000011344	53
BTS 6144B	SP000014073	85	BUZ 31L	SP000011342	53
BTS 6144P	SP000013171	85	BUZ 31L E-3045A	SP000011961	53
BTS 6163D	SP000013196	85	BUZ 32	SP000011345	53
BTS 621L1	SP000011277	86	BUZ 32 E-3045A	SP000011346	53
BTS 621L1 E-3128A	SP000011281	86	BUZ 32 E-3045A	SP000102174	53
BTS 621L1 E-3230	SP000011278	86	BUZ 341	SP000011353	53
BTS 640S2	SP000011283	84	BUZ 344	SP000011354	52
BTS 640S2G	SP000011284	84	BUZ 345	SP000011355	52
BTS 640S2S	SP000011285	84	BUZ 349	SP000011356	52
BTS 650P	SP000011287	84	BUZ 350	SP000011357	53
BTS 650P E-3180A	SP000011289	84	BUZ 73	SP000011372	53
BTS 650P E-3230	SP000011292	84	BUZ 73 E-3046	SP000011963	53
BTS 6510B	SP000012532	85	BUZ 73A	SP000011373	53
BTS 660P	SP000012535	85	BUZ 73A E-3046	SP000011962	53
BTS 660P E-3180A	SP000012536	85	BUZ 73AL	SP000011375	53
BTS 707	SP000011296	86	BUZ 73L	SP000011374	53
BTS 711L1	SP000011298	87	BUZ 81	SP000016235	68
BTS 712N1	SP000011300	87	BYP 303	SP000011384	80
BTS 716G	SP000013190	87			
BTS 716GB	SP000014327	87			
BTS 721L1	SP000011301	87			
BTS 723GW	SP000013173	86	E		
BTS 724G	SP000013193	87	EASY 20525 V1.1	SP000007914	10
BTS 726L1	SP000011305	86	EASY 20532 V1.1	SP000007915	10
BTS 728L2	SP000011307	86	EASY 20542 V1.1	SP000007916	10
BTS 730	SP000011308	86	EASY 21553	SP000007917	17
BTS 736L2	SP000011310	87	EASY 22504	on request	9
BTS 737S3	SP000014328	87	EASY 22508	SP000202361	9
BTS 7700G	SP000012368	88	EASY 22552	SP000202849	9
BTS 7710G	SP000012774	88	EASY 22554 V3.1	SP000007919	9
BTS 7710GP	SP000012778	88	EASY 22558	SP000053860	9
BTS 7740G	SP000012371	88	EASY 2256 E V2.2	SP000106013	9
BTS 7741G	SP000013912	88	EASY 24624 MII	SP000008100	7
BTS 7750G	SP000012779	88	EASY 24624 TDM	SP000007925	7
BTS 7750GP	SP000012780	88	EASY 24628 MII	SP000089850	7
BTS 7751G	SP000014077	88	EASY 24628 UTOPIA	SP000244336	7
BTS 7810K	SP000014521	88	EASY 2466	SP000055577	13
BTS 7930B	SP000065799	88	EASY 256 E 1T1 V1.1	SP000007945	10
BTS 7960B	SP000014711	88	EASY 256 V1.1	SP000007944	10
BTS 7960P	SP000053907	88	EASY 3265	SP000008002	13
BTS 824R	SP000013628	87	EASY 3268	SP000204383	13
BTS 840S2	SP000011324	87	EASY 334	SP000007929	11
BUP 212	SP000011971	74	EASY 3445 V1.2	SP000007930	9
BUP 212 E-3045 A	SP000013752	74	EASY 3452 V1.2	SP000007947	9
BUP 213	SP000011326	74	EASY 3460	SP000007932	9
BUP 213 E-3045 A	SP000012387	74	EASY 4220	on request	10



Summary of Types

Type	Ordering Code	Page	Type	Ordering Code	Page
EASY 4222	on request	10	ICE 1QS01G	SP000014505	97
EASY 4225	on request	10	ICE 1QS01G	SP000081003	97
EASY 5120-RT	SP000017922	19	ICE 2A0565	SP000014233	99
EASY 5120-WVOIP RT	SP000017943	19	ICE 2A0565G	SP000015061	99
EASY 6992 C	SP000017946	19	ICE 2A0565Z	SP000014235	99
EASY 6992 F	SP000017947	19	ICE 2A165	SP000013769	99
EASY 6992 K	SP000017944	19	ICE 2A180Z	SP000014236	99
EASY 6993 F	SP000017919	19	ICE 2A265	SP000013503	99
EASY 6996 FC	SP000062347	20	ICE 2A280Z	SP000014237	99
EASY 6996 I	SP000062345	20	ICE 2A365	SP000013504	99
EASY 6996 I CPU	SP000084733	20	ICE 2A380P2	SP000089417	99
EASY 6996 LC	SP000062346	20	ICE 2A765I	SP000014565	99
EASY 6996 M	SP000062344	20	ICE 2A765P	SP000013794	99
EASY 6996 M CPU	SP000084732	20	ICE 2A765P2	SP000014566	99
EASY 6999	SP000018106	20	ICE 2AS01	SP000013764	97
EASY 6999 G	SP000018107	20	ICE 2AS01G	SP000013765	97
EASY 6999 U	SP000018108	20	ICE 2B0565	SP000014234	99
EASY 7001 MII	SP000018109	20	ICE 2B165	SP000013997	99
EASY 7001 NIC	SP000018110	19	ICE 2B265	SP000013998	99
EASY 8262 CARDBUS	SP000018111	21	ICE 2B365	SP000013999	99
EASY 8262 MINI PCI	SP000018113	21	ICE 2B765I	SP000014702	99
EASY 8266 COMBO	on request	21	ICE 2B765P	SP000013768	99
EASY 8266 USB	SP000054643	21	ICE 2B765P2	SP000014701	99
EASY 83000 CPE	SP000215341	8	ICE 2BS01	SP000013766	97
EASY 83000 HOSTLESS	SP000104531	8	ICE 2BS01G	SP000013767	97
EASY 8511	SP000067472	19	ICE 3A0365	SP000015072	99
EASY 8515	SP000017920	19	ICE 3A0365I	SP000016983	100
EASY 8668 F	SP000068129	19	ICE 3A0365P	SP000016982	100
EASY C161U	SP000007940	17	ICE 3A0565	SP000015073	99
EASY SDFE-2	SP000008138	7	ICE 3A0565Z	SP000017044	99
EASY SDFE-4	SP000008101	7	ICE 3A1065	SP000015074	99
EASY UTAH	SP000007941	17	ICE 3A1065L	SP000098668	100
EASY50501 A	SP000069367	8	ICE 3A1565	SP000015083	99
EASY50501 B	SP000069368	8	ICE 3A1565L	SP000098669	100
EASY50505 A V3.0	SP000234787	8	ICE 3A2065	SP000015082	99
EASY50505 B V3.0	SP000234788	8	ICE 3A2065I	SP000016985	99
ESD 5V02S1U-03W 3k	SP000205608	125	ICE 3A2065P	SP000016984	99
ESD 5V02S1U-06 3k	SP000205610	125	ICE 3A2065Z	SP000017045	99
ESD 5V02S1US 3k	SP000205611	125	ICE 3A2565	SP000015075	99
ESD 8V0L2B-03L 3k	SP000055122	125	ICE 3A3565I	SP000016981	100
			ICE 3A3565P	SP000016980	100
			ICE 3A5065I	SP000016979	100
			ICE 3A5065P	SP000016978	100
			ICE 3A5565I	SP000016977	100
			ICE 3A5565P	SP000016976	100
F			ICE 3AS02	SP000015084	97
FZL 4146G	SP000011402	101	ICE 3AS02G	SP000101150	97
FZL 4146G	SP000087989	101	ICE 3B0365	SP000014968	100
			ICE 3B0365J	SP000064720	100
			ICE 3B0365JG	SP000078899	100
I			ICE 3B0365L	SP000016614	100
ICB 1FL01G	SP000075625	96	ICE 3B0565	SP000014967	100
ICB 1FL02G	SP000204703	96	ICE 3B0565J	SP000064685	100
ICE 1PCS01	SP000014681	98	ICE 3B0565JG	SP000077217	100
ICE 1PCS01	SP000014680	98	ICE 3B1065	SP000015076	100
ICE 1PCS01G	SP000081001	98	ICE 3B1565	SP000015081	100
ICE 1PCS02	SP000056162	98	ICE 3B1565J	SP000098876	100
ICE 1PCS02G	SP000056164	98	ICE 3B2065	SP000015080	100
ICE 1QS01	SP000014266	97			



Summary of Types

Type	Ordering Code	Page	Type	Ordering Code	Page
ICE 3B2065I	SP000016808	100	IFX 1117GS V33	SP000014585	93
ICE 3B2065P	SP000016809	100	IGA 03N120H2	SP000215371	76
ICE 3B2565	SP000015077	100	IGA 03N120H2 E-8153	SP000015372	76
ICE 3B3065I	SP000016810	100	IGB 01N120H2	SP000014614	76
ICE 3B3065P	SP000016811	100	IGB 03N120H2	SP000014616	76
ICE 3B3565I	SP000016812	100	IGB 15N60T	SP000054921	77
ICE 3B3565P	SP000016813	100	IGB 30N60T	SP000095765	77
ICE 3B5065I	SP000016814	100	IGB 50N60T	SP000054922	77
ICE 3B5065P	SP000016815	100	IGD 01N120H2	SP000014523	76
ICE 3B5565I	SP000016816	100	IGP 01N120H2	SP000014615	76
ICE 3B5565P	SP000016817	100	IGP 03N120H2	SP000014617	76
ICE 3BS02	SP000014966	97	IGP 06N60T	SP000095766	77
ICE 3BS02G	SP000101151	97	IGP 10N60T	SP000016446	77
ICE 3BS02L	SP000015117	97	IGP 15N60T	SP000095767	77
ICE 3DS01L	SP000014265	97	IGP 30N60T	SP000054923	77
ICE 3DS01LG	SP000014264	97	IGP 50N60T	SP000054924	77
IDA 4916GG	SP000011736	97	IGW 03N120H2	SP000014182	76
IDB 04E120	SP000013639	79	IGW 08T120	SP000013937	77
IDB 06E60	SP000014039	79	IGW 15T120	SP000013888	77
IDB 09E120	SP000013918	79	IGW 25T120	SP000013887	77
IDB 09E60	SP000013914	79	IGW 30N60T	SP000054925	77
IDB 12E120	SP000013640	79	IGW 40T120	SP000013886	77
IDB 15E60	SP000014044	79	IGW 50N60T	SP000054926	77
IDB 18E120	SP000013919	79	IGW 60T120	SP000013906	77
IDB 23E60	SP000014046	79	IGW 75N60T	SP000054927	77
IDB 30E120	SP000013641	79	IHP 10T120	SP000014951	78
IDB 30E60	SP000013917	79	IHW 15N120R	SP000080229	78
IDB 45E60	SP000013635	79	IHW 15N120R2	SP000212014	78
IDD 03E60	SP000013632	79	IHW 15T120	SP000014892	78
IDD 04S60C	SP000080224	80	IHW 20N120R	SP000076323	78
IDD 06E60	SP000013633	79	IHW 20N120R2	SP000212015	78
IDD 06E60	SP000077586	79	IHW 20T120	SP000014881	78
IDD 09E60	SP000013634	79	IHW 30N100R	SP000212224	78
IDD 15E60	SP000013915	79	IHW 30N100T	SP000086713	78
IDD 15E60	SP000077587	79	IHW 30N120R	SP000076324	78
IDD 23E60	SP000013916	79	IHW 30N120R2	SP000212017	78
IDD 23E60	SP000077588	79	IHW 30N60T	SP000076306	78
IDP 04E120	SP000013798	79	IHW 30N90R	SP000209140	78
IDP 06E60	SP000014040	79	IHW 30N90T	SP000076322	78
IDP 09E120	SP000014041	79	IHW 40N60T	SP000076321	78
IDP 09E60	SP000014043	79	IHW 40T120	SP000014893	78
IDP 12E120	SP000013799	79	IKA 03N120H2	SP000215373	76
IDP 15E60	SP000014045	79	IKA 03N120H2 E-8153	SP000215374	76
IDP 18E120	SP000014042	79	IKA 06N60T	SP000215375	77
IDP 23E60	SP000014047	79	IKA 10N60T	SP000215376	77
IDP 30E120	SP000013800	79	IKA 15N60T	SP000215377	77
IDP 30E60	SP000014048	79	IKB 01N120H2	SP000014271	76
IDP 45E60	SP000013797	79	IKB 03N120H2	SP000014272	76
IDT 04S60C	SP000080225	80	IKB 06N60T	SP000014954	77
IDT 05S60C	SP000096441	80	IKB 10N60T	SP000014833	77
IDT 06S60C	SP000096442	80	IKB 15N60T	SP000054882	77
IDT 08S60C	SP000080226	80	IKB 20N60T	SP000054883	77
IDT 10S60C	SP000096443	80	IKP 01N120H2	SP000014179	76
IDT 12S60C	SP000096444	80	IKP 03N120H2	SP000014180	76
IDT 16S60C	SP000080227	80	IKP 04N60T	SP000054884	77
IDW 100E60	SP000227825	79	IKP 06N60T	SP000014953	77
IDW 75E60	SP000227824	79	IKP 10N60T	SP000014753	77
IFX 1117GS	SP000014584	93	IKP 15N60T	SP000095768	77



Summary of Types

Type	Ordering Code	Page	Type	Ordering Code	Page
IKP 20N60T	SP000054885	77	IPB 11N03LA G	SP000103306	59
IKW 03N120H2	SP000014181	76	IPB 12CN10N G	SP000096450	63
IKW 08T120	SP000013885	78	IPB 12CNE8N G	SP000096451	62
IKW 15T120	SP000013938	78	IPB 13N03LB	SP000064218	61
IKW 20N60T	SP000054886	77	IPB 13N03LB G	SP000103307	61
IKW 25T120	SP000013939	78	IPB 14N03LA	SP000016324	59
IKW 30N60T	SP000054887	77	IPB 14N03LA G	SP000085264	59
IKW 40T120	SP000013940	78	IPB 160N04S2-03	SP000218151	55
IKW 50N60T	SP000054888	77	IPB 160N04S2L-03	SP000218153	55
IKW 75N60T	SP000054889	77	IPB 16CN10N G	SP000096452	63
ILD 03N60	SP000014338	76	IPB 16CNE8N G	SP000096453	62
ILD 03N60	SP000077615	76	IPB 25N06S3-25	SP000088000	64
IPA 60R125CP	SP000095275	72	IPB 25N06S3L-22	SP000087994	64
IPA 60R165CP	SP000096437	72	IPB 60R099CP	SP000088490	72
IPA 60R199CP	SP000094146	72	IPB 60R165CP	SP000096439	72
IPA 60R299CP	SP000096438	72	IPB 60R199CP	SP000223256	72
IPA 60R385CP	SP000089316	72	IPB 60R385CP	SP000228365	72
IPB 03N03LA	SP000014034	59	IPB 70N10SL-16	SP000225700	53
IPB 03N03LA G	SP000087858	59	IPB 77N06S2-12	SP000218173	57
IPB 03N03LB	SP000074722	61	IPB 77N06S3-09	SP000088715	64
IPB 03N03LB G	SP000103300	61	IPB 80N04S2-H4	SP000218165	55
IPB 048N06L G	SP000204181	57	IPB 80N04S2L-03	SP000220158	55
IPB 04N03LA	SP000014354	59	IPB 80N06S2-05	SP000218877	57
IPB 04N03LA G	SP000103302	59	IPB 80N06S2-07	SP000218818	57
IPB 04N03LB	SP000064219	61	IPB 80N06S2-08	SP000218830	57
IPB 04N03LB G	SP000103301	61	IPB 80N06S2-09	SP000218741	57
IPB 051NE8N G	SP000096445	62	IPB 80N06S2-H5	SP000218162	57
IPB 05CN10N G	SP000096440	63	IPB 80N06S2L-05	SP000219004	57
IPB 05N03LA	SP000016268	59	IPB 80N06S2L-06	SP000218163	57
IPB 05N03LA G	SP000068872	59	IPB 80N06S2L-07	SP000218867	57
IPB 065N06L G	SP000204183	57	IPB 80N06S2L-09	SP000218743	57
IPB 06CN10N G	SP000096446	63	IPB 80N06S2L-11	SP000218177	57
IPB 06CNE8N G	SP000096447	62	IPB 80N06S2L-H5	SP000219068	57
IPB 06N03LA	SP000016269	59	IPB 80N06S3-07	SP000088065	64
IPB 06N03LA G	SP000068850	59	IPB 80N06S3L-06	SP000088004	64
IPB 06N03LB	SP000065274	61	IPB 80N08S2-07	SP000219048	58
IPB 06N03LB G	SP000103304	61	IPB 80N08S2L-07	SP000219051	58
IPB 070N06L G	SP000204172	57	IPB H6N03LA	SP000068587	59
IPB 070N06N G	SP000204187	58	IPB H6N03LA G	SP000080228	59
IPB 080N06N G	SP000204174	58	IPB120N06N G	SP000204176	58
IPB 085N06L G	SP000204190	57	IPD 03N03LA G	SP000016406	59
IPB 08CN10N G	SP000096448	63	IPD 03N03LB G	SP000016408	61
IPB 08CNE8N G	SP000096449	62	IPD 04N03LA	SP000014352	59
IPB 09N03LA	SP000016271	59	IPD 04N03LA G	SP000017598	59
IPB 09N03LA G	SP000068859	59	IPD 04N03LB G	SP000016409	61
IPB 100N04S2-04	SP000219061	55	IPD 05N03LA	SP000014022	59
IPB 100N04S2L-03	SP000219065	55	IPD 05N03LA G	SP000017599	59
IPB 100N06S2-05	SP000218874	57	IPD 05N03LB	SP000065206	61
IPB 100N06S2L-05	SP000219003	57	IPD 05N03LB G	SP000103303	61
IPB 100N06S3-03	SP000087982	64	IPD 05N03LB G	SP000016410	62
IPB 100N06S3L-03	SP000087978	64	IPD 06N03LA	SP000016270	59
IPB 100N06S3L-04	SP000102219	64	IPD 06N03LA G	SP000017600	59
IPB 100N08S2-07	SP000219044	58	IPD 06N03LB G	SP000016411	62
IPB 100N08S2L-07	SP000219053	58	IPD 09N03LA	SP000016272	59
IPB 10N03LB	SP000064220	61	IPD 09N03LA G	SP000017536	59
IPB 10N03LB G	SP000103305	61	IPD 09N03LB G	SP000016412	62
IPB 110N06L G	SP000204193	57	IPD 10N03LA	SP000014983	59
IPB 11N03LA	SP000014987	59	IPD 10N03LA G	SP000017602	59



Summary of Types

Type	Ordering Code	Page	Type	Ordering Code	Page
IPD 127N06L G	SP000204177	57	IPI 80N06S2L-05	SP000219002	57
IPD 12N03LB	SP000016413	62	IPI 80N06S2L-11	SP000218176	57
IPD 12N03LB G	SP000017332	62	IPI 80N06S3-07	SP000088064	64
IPD 13N03LA	SP000016325	59	IPI 80N06S3L-06	SP000088002	64
IPD 13N03LA G	SP000017537	59	IPI 80N06S3L-08	SP000088131	64
IPD 144N06N G	SP000203941	58	IPI 80N08S2-07	SP000219043	58
IPD 16CN10N G	SP000096454	63	IPP 03N03LA	SP000014035	60
IPD 16CNE8N G	SP000096455	62	IPP 03N03LB G	SP000074721	62
IPD 20N03L	SP000016259	64	IPP 048N06L G	SP000204180	57
IPD 20N03L G	SP000017603	64	IPP 04N03LA	SP000014353	60
IPD 25CN10N G	SP000096456	63	IPP 04N03LB G	SP000064223	62
IPD 25CNE8N G	SP000096457	62	IPP 054NE8N G	SP000096462	62
IPD 33CN10N G	SP000096458	63	IPP 05CN10N G	SP000096461	63
IPD 400N06N G	SP000203938	58	IPP 05N03LA	SP000014020	60
IPD 49CN10N G	SP000096459	63	IPP 05N03LB G	SP000065247	62
IPD 60R385CP	SP000062533	72	IPP 065N06L G	SP000204182	57
IPD 64N06L G	SP000203939	57	IPP 06CN10N G	SP000096463	63
IPD 64CN10N G	SP000104811	63	IPP 06CNE8N G	SP000096464	62
IPD 78CN10N G	SP000096460	63	IPP 06N03LA	SP000014025	60
IPD 800N06N G	SP000204179	58	IPP 070N06L G	SP000204171	57
IPD H4N03LA G	SP000016407	59	IPP 070N06N G	SP000204186	58
IPD H5N03LA G	SP000064379	59	IPP 07N03LB G	SP000065252	62
IPD H6N03LA G	SP000065817	59	IPP 080N06N G	SP000204173	58
IPD H9N03LA G	SP000223594	59	IPP 085N06L G	SP000204188	57
IPF 04N03LA	SP000014622	59	IPP 08CN10N G	SP000096465	63
IPF 04N03LA G	SP000017605	59	IPP 08CNE8N G	SP000096466	62
IPF 05N03LA	SP000014545	59	IPP 09N03LA	SP000014031	60
IPF 05N03LA G	SP000017606	59	IPP 100N04S2-04	SP000219056	55
IPF 06N03LA	SP000015047	59	IPP 100N04S2L-03	SP000219062	55
IPF 06N03LA G	SP000017607	59	IPP 100N06S2-05	SP000218872	57
IPF 09N03LA	SP000014623	60	IPP 100N06S2L-05	SP000218879	57
IPF 09N03LA G	SP000017608	60	IPP 100N06S3-03	SP000087980	64
IPF 10N03LA	SP000014985	60	IPP 100N06S3L-03	SP000087977	64
IPF 10N03LA G	SP000017609	60	IPP 100N06S3L-04	SP000102209	64
IPF 13N03LA	SP000014546	60	IPP 100N08S2-07	SP000219005	58
IPF 13N03LA G	SP000017610	60	IPP 100N08S2L-07	SP000219052	58
IPF H6N03LA	SP000068589	60	IPP 10N03LB G	SP000064222	62
IPI 03N03LA	SP000014036	60	IPP 110N06L G	SP000204194	57
IPI 04N03LA	SP000014355	60	IPP 11N03LA	SP000014986	60
IPI 05N03LA	SP000014021	60	IPP 12CN10N G	SP000096468	63
IPI 06N03LA	SP000014026	60	IPP 12CNE8N G	SP000096467	62
IPI 070N06N G	SP000208612	58	IPP 13N03LB G	SP000064224	62
IPI 09N03LA	SP000014032	60	IPP 14N03LA	SP000014028	60
IPI 100N06S3-03	SP000087992	64	IPP 16CN10N G	SP000096469	63
IPI 100N06S3L-03	SP000087979	64	IPP 16CNE8N G	SP000096470	62
IPI 100N06S3L-04	SP000102211	64	IPP 21N03L G	SP000065079	64
IPI 100N08S2-07	SP000219041	58	IPP 25N06S3-25	SP000088001	64
IPI 11N03LA	SP000014988	60	IPP 25N06S3L-22	SP000087993	64
IPI 14N03LA	SP000014029	60	IPP 26CN10N G	SP000096471	63
IPI 25N06S3-25	SP000087997	64	IPP 26CNE8N G	SP000096472	62
IPI 25N06S3L-22	SP000087996	64	IPP 50CN10N G	SP000096474	63
IPI 60R199CP	SP000103248	72	IPP 60R099CP	SP000057021	72
IPI 60R299CP	SP000103249	72	IPP 60R125CP	SP000088488	72
IPI 60R385CP	SP000103250	72	IPP 60R165CP	SP000084279	72
IPI 77N06S3-09	SP000088716	64	IPP 60R199CP	SP000084278	72
IPI 80N04S2-04	SP000219058	55	IPP 60R299CP	SP000084280	72
IPI 80N06S2-07	SP000218817	57	IPP 60R385CP	SP000082281	72
IPI 80N06S2-08	SP000218828	57	IPP 70N10SL-16	SP000225708	53



Summary of Types

Type	Ordering Code	Page	Type	Ordering Code	Page
IPP 77N06S2-12	SP000218172	57	IPW 60R099CP	SP000067147	72
IPP 77N06S3-09	SP000088717	64	IPW 60R125CP	SP000088489	72
IPP 80N04S2-04	SP000219054	55	IPW 60R165CP	SP000095483	72
IPP 80N04S2-H4	SP000218169	55	IPW 60R199CP	SP000089802	72
IPP 80N04S2L-03	SP000219063	55	IPW 60R299CP	SP000103251	72
IPP 80N06S2-05	SP000218873	57	ISP 452	SP000219823	85
IPP 80N06S2-07	SP000218810	57	ISP 742RI	SP000221229	85
IPP 80N06S2-08	SP000218826	57	ISP 752R	SP000219825	85
IPP 80N06S2-09	SP000218740	57	ISP 762T	SP000221228	85
IPP 80N06S2-H5	SP000218155	57	ISP 772T	SP000219824	85
IPP 80N06S2L-05	SP000219000	57	ITS 410E2	SP000221219	84
IPP 80N06S2L-06	SP000218824	57	ITS 410E2 E-3043	SP000221227	84
IPP 80N06S2L-07	SP000218831	57	ITS 4141D	SP000221235	86
IPP 80N06S2L-09	SP000218742	57	ITS 4141N	SP000219536	86
IPP 80N06S2L-11	SP000218175	57	ITS 4142N	SP000221218	86
IPP 80N06S2L-H5	SP000219067	57	ITS 428L2	SP000221220	84
IPP 80N06S3-07	SP000088067	64	ITS 436L2	SP000221231	84
IPP 80N06S3L-06	SP000088006	64	ITS 436L2S	SP000221232	84
IPP 80N06S3L-08	SP000088127	64	ITS 4880R	SP000219527	86
IPP 80N08S2-07	SP000219040	58	ITS 5215L	SP000219826	87
IPP 80N08S2L-07	SP000219050	58	ITS 612N1	SP000221233	87
IPP120N06N G	SP000204175	58	ITS 612N1 E-3230	SP000221234	87
IPS 03N03LA G	SP000016404	60	ITS 621L1	SP000219533	87
IPS 03N03LB G	SP000220141	62	ITS 621L1 E-3230	SP000221224	87
IPS 04N03LA G	SP000016330	60	ITS 640S2	SP000221217	84
IPS 04N03LB G	SP000219859	62	ITS 640S2S	SP000221225	84
IPS 05N03LA G	SP000015129	60	ITS 711L1	SP000219532	87
IPS 05N03LB G	SP000220140	62	ITS 716G	SP000219534	87
IPS 06N03LA G	SP000015130	60	ITS 724G	SP000219835	87
IPS 09N03LA G	SP000015131	60			
IPS 09N03LB G	SP000220142	62			
IPS 10N03LA G	SP000015132	60			
IPS 13N03LA G	SP000015133	60			
IPS 20N03L G	SP000064380	64			
IPS H4N03LA G	SP000016331	60			
IPS H5N03LA G	SP000064378	60			
IPS H6N03LA G	SP000075257	60			
IPS H6N03LB G	SP000220143	62			
IPS H9N03LA G	SP000223596	60			
IPU 04N03LA	SP000014621	60			
IPU 04N03LA G	SP000017593	60			
IPU 04N03LB G	SP000220463	62			
IPU 05N03LA	SP000014903	60			
IPU 05N03LA G	SP000017595	60			
IPU 06N03LA	SP000014023	60			
IPU 06N03LA G	SP000017594	60			
IPU 06N03LB G	SP000209113	62			
IPU 09N03LA	SP000014033	60			
IPU 09N03LA G	SP000017511	60			
IPU 09N03LB G	SP000209115	62			
IPU 10N03LA	SP000014984	60			
IPU 10N03LA G	SP000017597	60			
IPU 13N03LA	SP000014030	60			
IPU 13N03LA G	SP000017538	60			
IPU 20N03L G	SP000018246	64			
IPU H6N03LA G	SP000068594	60			
IPU H6N03LB G	SP000209114	62			
IPW 60R045CP	SP000067149	72			
			K		
			KP125	SP000076563	133
			KT 110	SP000011499	133
			KT 130	SP000013615	133
			KT 210	SP000011509	133
			KT 230	SP000011513	133
			KTS 6027-2	SP000013185	23
			KTS 6027-2 Evaboard	on request	24
			KTS 6027-2 Ref Tuner	on request	24
			KTS 6029-2	SP000013186	23
			KTY 11-5	SP000011496	133
			KTY 11-6	SP000011497	133
			KTY 11-7	SP000011498	133
			KTY 13-5	SP000013612	133
			KTY 13-6	SP000013613	133
			KTY 13-7	SP000013614	133
			KTY 21-5	SP000011506	133
			KTY 21-6	SP000011507	133
			KTY 21-7	SP000011508	133
			KTY 23-5	SP000011510	133
			KTY 23-6	SP000011511	133
			KTY 23-7	SP000011512	133



Summary of Types

Type	Ordering Code	Page	Type	Ordering Code	Page
M					
MMBD 7000 (Dual) 3k	SP000014935	105	PEB 20590 H V2.2	SP000007251	14
MMBD 914 10k	SP000010208	103	PEB 20591 H V2.2	SP000007600	14
MMBD 914 3k	SP000010207	103	PEB 20591 H V2.2	SP000240128	14
MMBT 2222A 3k	SP000011174	108	PEB 2466 H V2.2	SP000007516	12
MMBT 2907A 3k	SP000011179	113	PEB 2466 H V2.2	SP000007517	12
MMBT 3904 10k	SP000011670	108	PEB 2466 H V2.2	SP000007515	12
MMBT 3904 3k	SP000011671	108	PEB 24902 H V2.1	SP000007347	15
MMBT 3906 3k	SP000011678	113	PEB 24902 H V2.1	SP000007348	15
MMBTA 06 3k	SP000011685	108	PEB 24902 H V2.1	SP000007349	15
MMBTA 14 3k	SP000010862	117	PEB 3081 F V1.4	SP000007636	14
MMBTA 42 3k	SP000010999	118	PEB 3081 F V1.4	SP000007637	14
MMBTA 56 3k	SP000011691	113	PEB 3081 H V1.4	SP000007583	14
MMBTA 92 3k	SP000011002	118	PEB 3081 H V1.4	SP000007584	14
my-d vicinity eva kit	SP000010087	142	PEB 3086 F V1.4	SP000007571	14
			PEB 3086 F V1.4	SP000007572	14
			PEB 3086 H V1.4	SP000007567	14
			PEB 3086 H V1.4	SP000007569	14
			PEB 3164 F V1.1	SP000222941	12
			PEB 3164 F V1.1	SP000008146	12
			PEB 3165 F V1.1	SP000008162	12
			PEB 3264 F V1.4	SP000007820	12
			PEB 3264 F V1.4	SP000007819	12
			PEB 3265 F V1.5	SP000007818	12
			PEB 3265 F V1.5	SP000007817	12
			PEB 3268 F V1.1	SP000089806	13
			PEB 3324 E V1.4-G	SP000108018	11
			PEB 3324 HL V1.4	SP000008031	11
			PEB 3324 HL V1.4 PE	SP000017214	11
			PEB 3324 HL V1.4 PE	SP000017208	11
			PEB 3331 F V2.1	SP000083521	11
			PEB 3331 HT V2.1	SP000232901	11
			PEB 3331 HT V2.1	SP000083520	11
			PEB 3332 F V2.1	SP000065273	11
			PEB 3332 F V2.1	SP000065272	11
			PEB 3332 HT V2.1	SP000224283	11
			PEB 3340 HT V2.1	SP000201482	11
			PEB 3342 HT V2.1	SP000201618	11
			PEB 3445 E V2.1-G	SP000226333	9
			PEB 4262 V V1.1	SP000008052	13
			PEB 4264-2 T V2.1	SP000231490	13
			PEB 4265 T V2.1	SP000101234	13
			PEB 4265 V V2.1	SP000101233	13
			PEB 4265-2 V T V2.1	SP000206901	13
			PEB 4265-2 V V2.1	SP000102911	13
			PEB 4266 T V1.2	SP000007528	13
			PEB 4266 V V1.2	SP000007763	13
			PEB 4364 T V1.2	SP000007727	13
			PEB 4364 T V1.2	SP000007728	13
			PEB 83000 E V1.3-G	SP000201760	8
			PEF 2026 T-P V1.1	SP000007174	16
			PEF 2026 T-S V1.1	SP000007176	16
			PEF 2026 T-S V1.1	SP000007178	16
			PEF 20525 F V1.3	SP000225720	10
			PEF 20525 F V1.3	SP000007592	10
			PEF 20532 F V1.3	SP000007511	10
			PEF 2054 N V2.1	SP000075438	16
			PEF 2054 N V2.1	SP000007790	16
			PEF 2054 N V2.1	SP000057916	16



Summary of Types

Type	Ordering Code	Page	Type	Ordering Code	Page
PEF 20542 F V1.3	SP000007634	10	PEF 4268 F V1.2	SP000211403	13
PEF 2055 N V2.1	SP000075706	16	PEF 4268 F V1.2	SP000063679	13
PEF 2055 N V2.1	SP000007791	16	PEF 4268 T V1.2	SP000063678	13
PEF 2055 N V2.1	SP000075707	16	PEF 4365 T V2.1	SP000099015	13
PEF 20550 H V2.1	SP000007795	16	PEF 80902 H V1.1	SP000007563	17
PEF 20550 H V2.1	SP000007794	16	PEF 80902 H V1.1	SP000007562	17
PEF 20550 H V2.1	SP000007793	16	PEF 80912 H V1.4	SP000007554	17
PEF 20571 F V3.1	SP000008000	15	PEF 80912 H V1.4	SP000007553	17
PEF 21624 E V1.2-G	SP000054059	7	PEF 80912 H V1.4	SP000007555	17
PEF 21627 E V1.1-G	SP000218166	7	PEF 81902 F V1.1	SP000007564	17
PEF 21628 E V1.1-G	SP000213076	7	PEF 82902 F V1.1	SP000007565	17
PEF 22504 E V2.1-G	SP000081770	9	PEF 82902 F V1.1	SP000007566	17
PEF 22504 HT V2.1	SP000209867	9	PEF 82912 F V1.4	SP000007558	17
PEF 22508 E V1.1-G	SP000029953	9	PEF 82912 F V1.4	SP000007559	17
PEF 22508 E V1.1-G	SP000223351	9	PEF 8820 V	SP000054913	21
PEF 22552 E V1.1-G	SP000065628	9	PMB 4823 R V1.1	SP000008698	22
PEF 22554 E V3.1-G	SP000074240	9	PMB 5736 U	SP000065010	22
PEF 22554 HT V3.1	SP000064070	9	PMB 5737 F V3.5	SP000008707	21
PEF 22557 E V1.1-G	SP000055478	9	PMB 5737 F V3.552 PCC	SP000008709	21
PEF 22558 E V1.1-G	SP000008139	9	PMB 6610 R V2.1A	SP000106609	21
PEF 2256 H V2.2-G	SP000057074	9	PMB 6610 R V2.1W	SP000055958	21
PEF 22624 E V1.3-G	SP000081099	7	PMB 6618 R V2.1	SP000009044	22
PEF 22627 E V1.1-G	SP000218168	7	PMB 6723 F V1.4 FL	SP000008714	21
PEF 22628 E V1.1-G	SP000213077	7	PMB 6723 F V1.423	SP000217504	21
PEF 2426 H V1.1 D	SP000007497	16	PMB 6724 F V1.4 FL	SP000008716	22
PEF 2426 H V1.1 GD	SP000007499	16	PMB 6725 XF V1.5 FL	SP000008732	21
PEF 24624 E V2.1-G	SP000208961	7	PMB 6725 XF V1.565	SP000008725	21
PEF 24624 E V2.1-G	SP000223350	7	PMB 6725 XF V1.592	SP000008731	21
PEF 24625 E V1.2-G	SP000054060	7	PMB 6726 XF V1.5 FL	SP000008875	22
PEF 24625 E V1.2-G	SP000223349	7	PMB 6726 XF V1.543	SP000008877	22
PEF 24627 E V1.1-G	SP000208962	7	PMB 6818 R V1.1	SP000008828	21
PEF 24628 E V1.1-G	SP000085010	7	PMB 6819 R V1.1	SP000008753	21
PEF 2466 H V2.2	SP000007776	12	PMB 6823 R V1.1	SP000008815	22
PEF 24901 H V2.2	SP000007535	15	PMB 7610 R V1.1	SP000008752	21
PEF 24901 H V2.2	SP000007536	15	PMB 7722 F V1.4 FL	SP000008975	21
PEF 24902 H V2.1	SP000007489	15	PMB 7722 F V1.4 FL	SP000008974	21
PEF 24902 H V2.1	SP000007490	15	PMB 7724 F V1.406	SP000079572	22
PEF 24902 H V2.1	SP000007491	15	PMB 7724 H V1.406	SP000016802	22
PEF 24911 H V2.2	SP000008078	15	PMB 7725 H V1.3115	SP000089006	21
PEF 24911 H V2.2	SP000008079	15	PMB 7725 XF V1.3 FL	SP000008907	21
PEF 3304 E V2.1-G	SP000053495	12	PMB 7726 H V1.304	SP000008953	22
PEF 3304 EL V2.1-G	SP000223348	12	PMB 8753 A V2.07	SP000226864	21
PEF 3304 EL V2.1-G	SP000054559	12	PMB 8753 J V2.07	SP000226865	21
PEF 3304 HL V2.1	SP000053496	12	PMB 8761 G V3.29	SP000095537	21
PEF 3314 E V2.2-G	SP000068753	11	PSB 21150 F V1.4	SP000007575	14
PEF 3314 EL V2.2-G	SP000053926	11	PSB 21150 F V1.4	SP000007577	14
PEF 3314 HL V2.2	SP000018270	11	PSB 21150 H V1.4	SP000007578	14
PEF 3332 HT V2.1	SP000229576	11	PSB 21373 H V1.1	SP000007602	18
PEF 3394 EL V2.2-G	SP000212320	11	PSB 21382 H V1.3	SP000007373	18
PEF 3394 EL V2.2-G	SP000053927	11	PSB 21383 H V1.3	SP000007532	18
PEF 3394 HL V2.2	SP000231959	11	PSB 21383 H V1.3	SP000007531	18
PEF 3394 HL V2.2	SP000018278	11	PSB 21383 H V1.3	SP000007530	18
PEF 3445 E V2.1-G	SP000226334	9	PSB 21384 H V1.3	SP000007374	18
PEF 3452 H V1.3	SP000007643	9	PSB 21384 H V1.3	SP000007375	18
PEF 3460 E V1.2-G	SP000088005	9	PSB 21391 H V1.3	SP000007376	18
PEF 4264 T V2.1	SP000231489	13	PSB 21391 H V1.3	SP000007377	18
PEF 4264 V V2.1	SP000231488	13	PSB 21393 H V1.3	SP000007533	18
PEF 4264-2 V V2.1	SP000231405	13	PSB 21393 H V1.3	SP000007534	18



Summary of Types

Type	Ordering Code	Page	Type	Ordering Code	Page
PSB 21473 F V1.3	SP000007701	18	PZTA 42 1k	SP000014780	118
PSB 21473 F V1.3	SP000007700	18	PZTA 92 1k	SP000011008	118
PSB 21483 F V1.7	SP000007699	18	PZTA 92 4k	SP000011009	118
PSB 21493 H V1.7	SP000007996	18			
PSB 21493 H V1.7	SP000103945	18			
PSB 21521 E V1.4-G	SP000007840	17			
PSB 21521 E V1.4-G	SP000226522	17			
PSB 21553 E V1.4-G	SP000017644	17			
PSB 21553 E V1.4-G	SP000056178	17			
PSB 3186 F V1.4	SP000007585	14			
PSB 3186 F V1.4	SP000007586	14			
PSB 3186 H V1.4	SP000007610	14			
PSB 50501 EL V1.2-G	SP000053494	8			
PSB 50505 E V1.3-G	SP000223783	8			
PSB 50505 E V1.3-G	SP000068029	8			
PSB 50510 E V1.3-G	SP000068030	8			
PSB 50530 F V1.2	SP000017986	8			
PSF 21150 F V1.4	SP000007576	14			
PTF 040551E	SP000082501	22			
PTF 041501E V1.0	SP000064068	22			
PTF 080101M	SP000082763	22			
PTF 080101S V1.0	SP000018181	22			
PTF 080901E V1.0	SP000009921	22			
PTF 080901F V1.0	SP000009922	22			
PTF 081301E V1.0	SP000017347	22			
PTF 082001E V1.0	SP000017756	22			
PTF 140451E V1.0	SP000102183	22			
PTF 141501E V1.0	SP000095458	22			
PTF 180101M V1.0	SP000076951	22			
PTF 180101S V1.0	SP000009989	22			
PTF 180301E V1.0	SP000017754	22			
PTF 180901E V1.0	SP000009918	22			
PTF 180901F V1.0	SP000009917	22			
PTF 181301E V1.0	SP000017571	22			
PTF 191601E V1.0	SP000018182	22			
PTF 210101M V1.0	SP000076952	22			
PTF 210301E V1.0	SP000009913	22			
PTF 211301E V1.0	SP000017750	23			
PTF 240101S V1.0	SP000082764	23			
PTFA 043002E V1.0	SP000082722	23			
PTFA 191001E V1.0	SP000056796	23			
PTFA 210451E V1.0	SP000082505	23			
PTFA 210601E V1.0	SP000102489	23			
PTFA 211001E V1.0	SP000064069	23			
PTFA 211801E V1.0	SP000065496	23			
PTFA 211801F V1.0	SP000075700	23			
PTFA 212002E V1.0	SP000074111	23			
PTFA 240451E V1.0	SP000063673	23			
PTFA 241301E V1.0	SP000082766	23			
PTFA 260451E V1.0	SP000063672	23			
PTFA 261301E	SP000086852	23			
PXB 4219 E V3.4-G	SP000223294	10			
PXB 4220 E V3.4-G	SP000017873	10			
PXB 4221 E V3.4-G	SP000017875	10			
PXF 4222 E V1.3-G	SP000017876	10			
PXF 4225 E V1.3-G	SP000017877	10			
PZTA 14 1k	SP000010688	117			
PZTA 14 4k	SP000010689	117			
			S		
			SAB-C161CS-LF CA-Step	SP000053817	28
			SAB-C161CS-LF CA-Step	SP000106860	28
			SAB-C161CS-LF CA-Step	SP000016425	28
			SAB-C161CS-LF CA-Step	SP000106861	28
			SAB-C161JC-LF CA-Step	SP000057562	28
			SAB-C161JC-LF CA-Step	SP000057563	28
			SAB-C161JI-LF CA-Step	SP000057588	28
			SAB-C161K-LM HA-Step	SP000011584	28
			SAB-C161K-LM HA-Step	SP000011585	28
			SAB-C161O-L25M HA-Step	SP000014268	28
			SAB-C161O-LM HA-Step	SP000011586	28
			SAB-C161O-LM HA-Step	SP000011587	28
			SAB-C161O-LM3V HA-Step	SP000011588	28
			SAB-C161PI-L25F CA-Step	SP000014362	29
			SAB-C161PI-L25M CA-Step	SP000014367	29
			SAB-C161PI-LF CA-Step	SP000014344	29
			SAB-C161PI-LF3V CA-Step	SP000014360	29
			SAB-C161PI-LM CA-Step	SP000014345	29
			SAB-C161PI-LM3V CA-Step	SP000014365	29
			SAB-C161S-L25M AA-Step	SP000014739	29
			SAB-C161S-LM3V AA-Step	SP000014946	29
			SAB-C164CI-LM3V CA+-Step	SP000014439	31
			SAB-C164CL-8R25M CA+-Step	SP000084083	32
			SAB-C165-L25F HA-Step	SP000011591	41
			SAB-C165-L25F HA-Step	SP000011592	41
			SAB-C165-L25M HA-Step	SP000011593	41
			SAB-C165-L25M HA-Step	SP000011594	41
			SAB-C165-LF HA-Step	SP000011595	41
			SAB-C165-LF HA-Step	SP000011596	41
			SAB-C165-LF3V HA-Step	SP000011597	41
			SAB-C165-LM HA-Step	SP000011598	41
			SAB-C165-LM HA-Step	SP000011599	41
			SAB-C165-LM3V HA-Step	SP000011600	41
			SAB-C167CR-16RM HA+-Step	SP000083849	42
			SAB-C167CR-LM HA+-Step	SP000017976	42
			SAB-C167CR-LM HA+-Step	SP000103462	42
			SAB-C167CR-LM HA+-Step	SP000017975	42
			SAB-C167CR-LM HA+-Step	SP000103463	42
			SAB-C167CS-L40M CA+-Step	SP000017984	43
			SAB-C167CS-L40M CA+-Step	SP000103471	43
			SAB-C167CS-L40M CA+-Step	SP000103468	43
			SAB-C167CS-LM CA+-Step	SP000067513	43
			SAB-C167CS-LM CA+-Step	SP000103483	43
			SAB-C167CS-LM CA+-Step	SP000017996	43
			SAB-C167CS-LM CA+-Step	SP000103488	43
			SAB-C167CS-LM CA+-Step	SP000103484	43
			SAB-C167SR-LM HA+-Step	SP000017980	44
			SAB-C167SR-LM HA+-Step	SP000103456	44
			SAB-C167SR-LM HA+-Step	SP000017982	44
			SAB-C167SR-LM HA+-Step	SP000103457	44
			SAB-C505CA-4EM CA-Step	SP000068757	46



Summary of Types

Type	Ordering Code	Page	Type	Ordering Code	Page
SAB-C505CA-4EM CA-Step	SP000106391	46	SAF-C165-LF HA-Step	SP000011631	41
SAB-C505CA-4EM CA-Step	SP000068755	46	SAF-C165-LF3V HA-Step	SP000011632	41
SAB-C505CA-4EM CA-Step	SP000106392	46	SAF-C165-LM HA-Step	SP000011633	41
SAE 0800	SP000011614	101	SAF-C165-LM HA-Step	SP000011634	41
SAE 0800G	SP000011615	101	SAF-C165-LM3V HA-Step	SP000011635	41
SAE 0800G	SP000080996	101	SAF-C167CR-LM HA+-Step	SP000016759	42
SAE 0800G GEG	SP000011616	101	SAF-C167CR-LM HA+-Step	SP000103464	42
SAE 0800G GEG	SP000080995	101	SAF-C167CR-LM HA+-Step	SP000017995	42
SAF C161U-LF V1.3	SP000007502	17	SAF-C167CR-LM HA+-Step	SP000103465	42
SAF C165H-LF V1.3	SP000007668	17	SAF-C167CS-L16M3V CA+-Step	SP000103469	43
SAF C165H-LF V1.3	SP000007667	17	SAF-C167CS-L16M3V CA+-Step	SP000017109	43
SAF C165H-LF V1.3	SP000007669	17	SAF-C167CS-L16M3V CA+-Step	SP000103470	43
SAF C165UTAH-LF V1.3	SP000007475	17	SAF-C167CS-L33M CA+-Step	SP000016732	43
SAF C165UTAH-LF V1.3	SP000007474	17	SAF-C167CS-L33M CA+-Step	SP000103485	43
SAF C165UTAH-LF V1.3	SP000007476	17	SAF-C167CS-L33M CA+-Step	SP000103486	43
SAF-C161CS-LF	SP000106865	28	SAF-C167CS-L33M CA-Step	SP000016731	43
SAF-C161CS-LF	SP000014380	28	SAF-C167CS-LM CA+-Step	SP000018000	43
SAF-C161CS-LF	SP000106866	28	SAF-C167CS-LM CA+-Step	SP000103487	43
SAF-C161CS-LF CA-Step	SP000016999	28	SAF-C167CS-LM CA+-Step	SP000017992	43
SAF-C161JI-LF CA-Step	SP000057564	28	SAF-C505CA-4EM CA-Step	SP000068758	46
SAF-C161K-LM HA-Step	SP000011620	28	SAF-C505CA-4EM CA-Step	SP000106394	46
SAF-C161K-LM3V HA-Step	SP000011621	28	SAF-C505CA-4EM CA-Step	SP000068759	46
SAF-C161O-L25M HA-Step	SP000014269	28	SAF-C505CA-4EM CA-Step	SP000106395	46
SAF-C161O-LM HA-Step	SP000011622	28	SAF-C505CA-4RM CA-Step	SP000065658	46
SAF-C161O-LM HA-Step	SP000011623	28	SAF-C505CA-4RM CA-Step	SP000084302	46
SAF-C161O-LM3V HA-Step	SP000011624	28	SAF-C505CA-LM CA-Step	SP000106636	46
SAF-C161PI-L25F CA-Step	SP000014363	29	SAF-C505CA-LM CA-Step	SP000106669	46
SAF-C161PI-L25M CA-Step	SP000014368	29	SAF-C505CA-LM CA-Step	SP000014488	46
SAF-C161PI-LF CA-Step	SP000014359	29	SAF-C505CA-LM CA-Step	SP000106390	46
SAF-C161PI-LF3V CA-Step	SP000014361	29	SAF-C515C-8EM CA-Step	SP000068750	46
SAF-C161PI-LM CA-Step	SP000014364	29	SAF-C515C-8EM CA-Step	SP000106398	46
SAF-C161PI-LM3V CA-Step	SP000014366	29	SAF-C515C-8EM CA-Step	SP000067378	46
SAF-C161S-L25M AA-Step	SP000014947	29	SAF-C515C-8EM CA-Step	SP000106400	46
SAF-C161S-LM3V AA-Step	SP000014948	29	SAF-C868-1SG BA-Step	SP000013636	46
SAF-C164CI-8E25M DB-Step	SP000057427	31	SAF-C868-1SR BA-Step	SP000013637	46
SAF-C164CI-8E25M DB-Step	SP000104053	31	SAF-C868P-1SR BA-Step	SP000013638	46
SAF-C164CI-8E25M DB-Step	SP000057428	31	SAF-TC1100-L100EB BB-Step	SP000099818	26
SAF-C164CI-8E25M DB-Step	SP000104054	31	SAF-TC1100-L100EB BB-Step	SP000099817	26
SAF-C164CI-8E28M DB-Step	SP000057421	31	SAF-TC1100-L100EB-G BB-Step	SP000106546	26
SAF-C164CI-8EM CB-Step	SP000067718	31	SAF-TC1100-L100EB-G BB-Step	SP000106545	26
SAF-C164CI-8EM CB-Step	SP000103498	31	SAF-TC1100-L150EB BB-Step	SP000106548	26
SAF-C164CI-8EM CB-Step	SP000067719	31	SAF-TC1100-L150EB BB-Step	SP000106547	26
SAF-C164CI-8EM CB-Step	SP000103499	31	SAF-TC1100-L150EB-G BB-Step	SP000099816	26
SAF-C164CI-8EM DB-Step	SP000057429	31	SAF-TC1100-L150EB-G BB-Step	SP000099815	26
SAF-C164CI-8EM DB-Step	SP000104055	31	SAF-TC1115L-100EB BB-Step	SP000099814	26
SAF-C164CI-8EM DB-Step	SP000057430	31	SAF-TC1115L-100EB BB-Step	SP000099813	26
SAF-C164CI-8EM DB-Step	SP000104056	31	SAF-TC1115L-100EB-G BB-Step	SP000106544	26
SAF-C164CI-L25M CA-Step	SP000014436	31	SAF-TC1115L-100EB-G BB-Step	SP000106543	26
SAF-C164CI-LM CA+-Step	SP000017582	31	SAF-TC1115L-150EB BB-Step	SP000106542	26
SAF-C164CI-LM CA+-Step	SP000103495	31	SAF-TC1115L-150EB BB-Step	SP000106541	26
SAF-C164CM-4E25F	SP000065629	32	SAF-TC1115L-150EB-G BB-Step	SP000099812	26
SAF-C164CM-4EF AB-Step	SP000068276	32	SAF-TC1115L-150EB-G BB-Step	SP000099811	26
SAF-C164CM-4EF AB-Step	SP000104061	32	SAF-TC1130L-100EB BB-Step	SP000099810	26
SAF-C164CM-4EF AB-Step	SP000068277	32	SAF-TC1130L-100EB BB-Step	SP000099809	26
SAF-C164CM-4EF AB-Step	SP000104062	32	SAF-TC1130L-100EB-G BB-Step	SP000106540	26
SAF-C165-L25F HA-Step	SP000012870	41	SAF-TC1130L-100EB-G BB-Step	SP000106539	26
SAF-C165-L25M HA-Step	SP000011629	41	SAF-TC1130L-150EB BB-Step	SP000099808	26
SAF-C165-L25M HA-Step	SP000011630	41	SAF-TC1130L-150EB BB-Step	SP000099807	26



Summary of Types

Type	Ordering Code	Page	Type	Ordering Code	Page
SAF-TC1130L-150EB-G BB-Step	SP000106538	26	SAF-XC164D-8F20F BB-Step	SP000224581	36
SAF-TC1130L-150EB-G BB-Step	SP000106119	26	SAF-XC164D-8F20F BB-Step	SP000094510	36
SAF-TC1161-128F66HL AA-Step	SP000105856	27	SAF-XC164D-8F20F BB-Step	SP000224580	36
SAF-TC1162-128F66HL AA-Step	SP000105857	27	SAF-XC164D-8F40F BB-Step	SP000094513	36
SAF-TC1163-128F80HL AA-Step	SP000105858	27	SAF-XC164D-8F40F BB-Step	SP000224587	36
SAF-TC1164-128F80HL AA-Step	SP000105859	27	SAF-XC164D-8F40F BB-Step	SP000094512	36
SAF-TC1165-192F80HL AA-Step	SP000105860	27	SAF-XC164D-8F40F BB-Step	SP000224586	36
SAF-TC1166-192F80HL AA-Step	SP000105861	27	SAF-XC164GM-4F20F AA-Step	SP000203871	37
SAF-TC1796-256F100E BC-Step	SP000064091	27	SAF-XC164GM-4F20F AA-Step	SP000105862	37
SAF-TC1796-256F150E BC-Step	SP000064092	27	SAF-XC164GM-4F40F AA-Step	SP000203876	37
SAF-TC1796-256F150E BC-Step	SP000096055	27	SAF-XC164GM-4F40F AA-Step	SP000105867	37
SAF-XC161CJ-16F20F BB-Step	SP000083663	30	SAF-XC164GM-8F20F AA-Step	SP000203881	37
SAF-XC161CJ-16F20F BB-Step	SP000231472	30	SAF-XC164GM-8F20F AA-Step	SP000105744	37
SAF-XC161CJ-16F40F BB-Step	SP000096147	30	SAF-XC164GM-8F40F AA-Step	SP000203886	37
SAF-XC161CJ-16F40F BB-Step	SP000224537	30	SAF-XC164GM-8F40F AA-Step	SP000105876	37
SAF-XC161CS-32F20F BB-A-Step	SP000098772	30	SAF-XC164KM-4F20F AA-Step	SP000203872	37
SAF-XC161CS-32F20F BB-A-Step	SP000224541	30	SAF-XC164KM-4F20F AA-Step	SP000105863	37
SAF-XC161CS-32F40F BB-A-Step	SP000098773	30	SAF-XC164KM-4F40F AA-Step	SP000203877	37
SAF-XC161CS-32F40F BB-A-Step	SP000224542	30	SAF-XC164KM-4F40F AA-Step	SP000105868	37
SAF-XC164CM-4F20F AA-Step	SP000203862	33	SAF-XC164KM-8F20F AA-Step	SP000203882	37
SAF-XC164CM-4F20F AA-Step	SP000084408	33	SAF-XC164KM-8F20F AA-Step	SP000105872	37
SAF-XC164CM-4F40F AA-Step	SP000203863	33	SAF-XC164KM-8F40F AA-Step	SP000203887	37
SAF-XC164CM-4F40F AA-Step	SP000084410	33	SAF-XC164KM-8F40F AA-Step	SP000105877	37
SAF-XC164CM-8F20F AA-Step	SP000203864	33	SAF-XC164LM-4F20F AA-Step	SP000203873	37
SAF-XC164CM-8F20F AA-Step	SP000065633	33	SAF-XC164LM-4F20F AA-Step	SP000105864	37
SAF-XC164CM-8F40F AA-Step	SP000203865	33	SAF-XC164LM-4F40F AA-Step	SP000203878	37
SAF-XC164CM-8F40F AA-Step	SP000065635	33	SAF-XC164LM-4F40F AA-Step	SP000105869	37
SAF-XC164CR-16F20F AA-Step	SP000205541	33	SAF-XC164LM-8F20F AA-Step	SP000203883	37
SAF-XC164CS-16F20F BB-Step	SP000094305	34	SAF-XC164LM-8F20F AA-Step	SP000105873	37
SAF-XC164CS-16F20F BB-Step	SP000224551	34	SAF-XC164LM-8F40F AA-Step	SP000203888	37
SAF-XC164CS-16F20F BB-Step	SP000092085	34	SAF-XC164LM-8F40F AA-Step	SP000105878	37
SAF-XC164CS-16F40F BB-Step	SP000094313	34	SAF-XC164N-16F20F BB-Step	SP000094290	38
SAF-XC164CS-16F40F BB-Step	SP000224553	34	SAF-XC164N-16F20F BB-Step	SP000224571	38
SAF-XC164CS-16F40F BB-Step	SP000094312	34	SAF-XC164N-16F20F BB-Step	SP000094289	38
SAF-XC164CS-16F40F BB-Step	SP000224552	34	SAF-XC164N-16F20F BB-Step	SP000224570	38
SAF-XC164CS-32F20F BB-A-Step	SP000224591	35	SAF-XC164N-16F40F BB-Step	SP000094302	38
SAF-XC164CS-32F20F BB-A-Step	SP000098787	35	SAF-XC164N-16F40F BB-Step	SP000224575	38
SAF-XC164CS-32F20F BB-A-Step	SP000224590	35	SAF-XC164N-16F40F BB-Step	SP000094301	38
SAF-XC164CS-32F40F BB-A-Step	SP000224593	35	SAF-XC164N-16F40F BB-Step	SP000224574	38
SAF-XC164CS-32F40F BB-A-Step	SP000098670	35	SAF-XC164N-8F20F BB-Step	SP000094515	38
SAF-XC164CS-32F40F BB-A-Step	SP000224592	35	SAF-XC164N-8F20F BB-Step	SP000224583	38
SAF-XC164CS-8F20F BB-Step	SP000094524	34	SAF-XC164N-8F20F BB-Step	SP000094514	38
SAF-XC164CS-8F20F BB-Step	SP000224555	34	SAF-XC164N-8F20F BB-Step	SP000224582	38
SAF-XC164CS-8F20F BB-Step	SP000094523	34	SAF-XC164N-8F40F BB-Step	SP000094518	38
SAF-XC164CS-8F20F BB-Step	SP000224554	34	SAF-XC164N-8F40F BB-Step	SP000224589	38
SAF-XC164CS-8F40F BB-Step	SP000094526	34	SAF-XC164N-8F40F BB-Step	SP000094517	38
SAF-XC164CS-8F40F BB-Step	SP000224557	34	SAF-XC164N-8F40F BB-Step	SP000224588	38
SAF-XC164CS-8F40F BB-Step	SP000094525	34	SAF-XC164S-16F20F BB-Step	SP000094298	39
SAF-XC164CS-8F40F BB-Step	SP000224556	34	SAF-XC164S-16F20F BB-Step	SP000224567	39
SAF-XC164D-16F20F BB-Step	SP000094288	36	SAF-XC164S-16F20F BB-Step	SP000094296	39
SAF-XC164D-16F20F BB-Step	SP000224569	36	SAF-XC164S-16F20F BB-Step	SP000224566	39
SAF-XC164D-16F20F BB-Step	SP000094287	36	SAF-XC164S-16F40F BB-Step	SP000094304	39
SAF-XC164D-16F20F BB-Step	SP000224568	36	SAF-XC164S-16F40F BB-Step	SP000224577	39
SAF-XC164D-16F40F BB-Step	SP000094300	36	SAF-XC164S-16F40F BB-Step	SP000094303	39
SAF-XC164D-16F40F BB-Step	SP000224573	36	SAF-XC164S-16F40F BB-Step	SP000224576	39
SAF-XC164D-16F40F BB-Step	SP000094299	36	SAF-XC164S-8F20F BB-Step	SP000094520	39
SAF-XC164D-16F40F BB-Step	SP000224572	36	SAF-XC164S-8F20F BB-Step	SP000224579	39
SAF-XC164D-8F20F BB-Step	SP000094511	36	SAF-XC164S-8F20F BB-Step	SP000094519	39



Summary of Types

Type	Ordering Code	Page	Type	Ordering Code	Page
SAF-XC164S-8F20F BB-Step	SP000224578	39	SAF-XC886CM-8FFI (industry)	SP000217342	48
SAF-XC164S-8F40F BB-Step	SP000094522	39	AB-Step		
SAF-XC164S-8F40F BB-Step	SP000224585	39	SAF-XC886LM-6FFA (automotive)	SP000210974	48
SAF-XC164S-8F40F BB-Step	SP000094521	39	SAF-XC886LM-6FFI (industry)	SP000216468	48
SAF-XC164S-8F40F BB-Step	SP000224584	39	SAF-XC886LM-6FFI (industry)	SP000217347	48
SAF-XC164SM-4F20F AA-Step	SP000203874	40	AB-Step		
SAF-XC164SM-4F20F AA-Step	SP000105865	40	SAF-XC886LM-8FFA (automotive)	SP000210967	48
SAF-XC164SM-4F40F AA-Step	SP000203879	40	SAF-XC886LM-8FFI (industry)	SP000216471	48
SAF-XC164SM-4F40F AA-Step	SP000105870	40	SAF-XC886LM-8FFI (industry)	SP000217348	48
SAF-XC164SM-8F20F AA-Step	SP000203884	40	AB-Step		
SAF-XC164SM-8F20F AA-Step	SP000105874	40	SAF-XC888-6FFA (automotive)	SP000210989	49
SAF-XC164SM-8F40F AA-Step	SP000203889	40	SAF-XC888-6FFI (industry)	SP000216477	49
SAF-XC164SM-8F40F AA-Step	SP000105879	40	SAF-XC888-8FFA (automotive)	SP000210986	49
SAF-XC164TM-4F20F AA-Step	SP000203875	40	SAF-XC888-8FFI (industry)	SP000216479	49
SAF-XC164TM-4F20F AA-Step	SP000105866	40	SAF-XC888C-8FFA (automotive)	SP000210980	49
SAF-XC164TM-4F40F AA-Step	SP000203880	40	SAF-XC888C-8FFI (industry)	SP000216474	49
SAF-XC164TM-4F40F AA-Step	SP000105871	40	SAF-XC888CLM-8FFA	SP000210979	49
SAF-XC164TM-8F20F AA-Step	SP000203885	40	(automotive)		
SAF-XC164TM-8F20F AA-Step	SP000105875	40	SAF-XC888CLM-8FFI (industry)	SP000216475	49
SAF-XC164TM-8F40F AA-Step	SP000203890	40	SAF-XC888CM-8FFA (automotive)	SP000210981	49
SAF-XC164TM-8F40F AA-Step	SP000105880	40	SAF-XC888CM-8FFI (industry)	SP000216476	49
SAF-XC167CI-16F20F BB-Step	SP000094528	45	SAF-XC888LM-6FFA (automotive)	SP000210988	49
SAF-XC167CI-16F20F BB-Step	SP000224688	45	SAF-XC888LM-6FFI (industry)	SP000216478	49
SAF-XC167CI-16F20F BB-Step	SP000094527	45	SAF-XC888LM-8FFA (automotive)	SP000210985	49
SAF-XC167CI-16F20F BB-Step	SP000224687	45	SAF-XC888LM-8FFI (industry)	SP000216480	49
SAF-XC167CI-16F40F BB-Step	SP000094530	45	SAK167CS-L40M CA+-Step	SP000016752	43
SAF-XC167CI-16F40F BB-Step	SP000224690	45	SAK167CS-L40M CA+-Step	SP000103490	43
SAF-XC167CI-16F40F BB-Step	SP000094529	45	SAK-C161CS-LF CA-Step	SP000016997	28
SAF-XC167CI-16F40F BB-Step	SP000224689	45	SAK-C161CS-LF CA-Step	SP000106868	28
SAF-XC167CI-32F20F BB-A-Step	SP000224701	45	SAK-C161CS-LF CA-Step	SP000016998	28
SAF-XC167CI-32F20F BB-A-Step	SP000098776	45	SAK-C161CS-LF CA-Step	SP000106869	28
SAF-XC167CI-32F20F BB-A-Step	SP000224700	45	SAK-C161JC-LF CA-Step	SP000057699	28
SAF-XC167CI-32F40F BB-A-Step	SP000224703	45	SAK-C161JC-LF CA-Step	SP000057698	28
SAF-XC167CI-32F40F BB-A-Step	SP000104964	45	SAK-C161JI-32RF CA-Step	SP000065641	28
SAF-XC167CI-32F40F BB-A-Step	SP000224702	45	SAK-C161JI-32RF CA-Step	SP000057491	28
SAF-XC866-2FRI (industry)	SP000210683	47	SAK-C164CI-8E25M DB-Step	SP000057431	31
BC-Step			SAK-C164CI-8E25M DB-Step	SP000104057	31
SAF-XC866-4FRI (industry)	SP000057470	47	SAK-C164CI-8E25M DB-Step	SP000057417	31
BC-Step			SAK-C164CI-8E25M DB-Step	SP000104058	31
SAF-XC886-6FFA (automotive)	SP000210975	47	SAK-C164CI-8EM CB-Step	SP000057420	31
SAF-XC886-6FFI (industry)	SP000216467	47	SAK-C164CI-8EM CB-Step	SP000103500	31
SAF-XC886-6FFI (industry)	SP000217345	47	SAK-C164CI-8EM CB-Step	SP000067720	31
AB-Step			SAK-C164CI-8EM CB-Step	SP000103501	31
SAF-XC886-8FFA (automotive)	SP000210968	47	SAK-C164CI-8EM DA-Step	SP000013602	31
SAF-XC886-8FFI (industry)	SP000216470	47	SAK-C164CI-8EM DB-Step	SP000054995	31
SAF-XC886-8FFI (industry)	SP000217349	47	SAK-C164CI-8EM DB-Step	SP000104059	31
AB-Step			SAK-C164CI-8EM DB-Step	SP000057419	31
SAF-XC886C-8FFA (automotive)	SP000210961	48	SAK-C164CI-8EM DB-Step	SP000104060	31
SAF-XC886C-8FFI (industry)	SP000216464	48	SAK-C164CI-L25M CA+-Step	SP000059303	31
SAF-XC886C-8FFI (industry)	SP000217340	48	SAK-C164CI-LM CA+-Step	SP000017581	31
AB-Step			SAK-C164CI-LM CA+-Step	SP000103497	31
SAF-XC886CLM-8FFA	SP000106748	48	SAK-C164CM-4EF AB-Step	SP000056829	32
(automotive)			SAK-C164CM-4EF AB-Step	SP000104063	32
SAF-XC886CLM-8FFI (industry)	SP000216465	48	SAK-C167CR-16RM HA+-Step	SP000065652	42
SAF-XC886CLM-8FFI (industry)	SP000217341	48	SAK-C167CR-L33M HA+-Step	SP000017997	42
AB-Step			SAK-C167CR-L33M HA+-Step	SP000103460	42
SAF-XC886CM-8FFA (automotive)	SP000210962	48	SAK-C167CR-L33M HA+-Step	SP000017993	42
SAF-XC886CM-8FFI (industry)	SP000216466	48	SAK-C167CR-L33M HA+-Step	SP000103461	42



Summary of Types

Type	Ordering Code	Page	Type	Ordering Code	Page
SAK-C167CR-LM HA+-Step	SP000016753	42	SAK-XC164CS-32F40F BB-A-Step	SP000224597	35
SAK-C167CR-LM HA+-Step	SP000103466	42	SAK-XC164CS-32F40F BB-A-Step	SP000087332	35
SAK-C167CR-LM HA+-Step	SP000016521	42	SAK-XC164CS-32F40F BB-A-Step	SP000224596	35
SAK-C167CR-LM HA+-Step	SP000103467	42	SAK-XC164CS-8F20F BB-Step	SP000224563	34
SAK-C167CS-L33M CA+-Step	SP000017988	43	SAK-XC164CS-8F20F BB-Step	SP000096145	34
SAK-C167CS-L33M CA+-Step	SP000103489	43	SAK-XC164CS-8F20F BB-Step	SP000224562	34
SAK-C167CS-L40M CA+-Step	SP000016751	43	SAK-XC164CS-8F40F BB-Step	SP000224565	34
SAK-C167CS-L40M CA+-Step	SP000103491	43	SAK-XC164CS-8F40F BB-Step	SP000096146	34
SAK-C167CS-LM CA+-Step	SP000016750	43	SAK-XC164CS-8F40F BB-Step	SP000224564	34
SAK-C167CS-LM CA+-Step	SP000103492	43	SAK-XC167CI-16F20F BB-Step	SP000224692	45
SAK-C167CS-LM CA+-Step	SP000016504	43	SAK-XC167CI-16F20F BB-Step	SP000094531	45
SAK-C167CS-LM CA+-Step	SP000103493	43	SAK-XC167CI-16F20F BB-Step	SP000224691	45
SAK-C167SR-LM HA+-Step	SP000017999	44	SAK-XC167CI-16F40F BB-Step	SP000095456	45
SAK-C167SR-LM HA+-Step	SP000103458	44	SAK-XC167CI-16F40F BB-Step	SP000224695	45
SAK-C167SR-LM HA+-Step	SP000016522	44	SAK-XC167CI-16F40F BB-Step	SP000095455	45
SAK-C167SR-LM HA+-Step	SP000103459	44	SAK-XC167CI-16F40F BB-Step	SP000224694	45
SAK-C505CA-4EM CA-Step	SP000068754	46	SAK-XC167CI-32F20F BB-A-Step	SP000224705	45
SAK-C505CA-4EM CA-Step	SP000106396	46	SAK-XC167CI-32F20F BB-A-Step	SP000098777	45
SAK-C505CA-4EM CA-Step	SP000067377	46	SAK-XC167CI-32F20F BB-A-Step	SP000224704	45
SAK-C505CA-4EM CA-Step	SP000107542	46	SAK-XC167CI-32F40F BB-A-Step	SP000224707	45
SAK-C505CA-4RM CA-Step	SP000084304	46	SAK-XC167CI-32F40F BB-A-Step	SP000098778	45
SAK-C868-1SG BA-Step	SP000014356	46	SAK-XC167CI-32F40F BB-A-Step	SP000224706	45
SAK-C868-1SR BA-Step	SP000014357	46	SAK-XC866-4FRI (industry)	SP000210680	47
SAK-C868P-1SR BA-Step	SP000014358	46	BC-Step		
SAK-TC1765N-L40EB AC-Step	SP000013498	27	SAK-XC886-6FFA (automotive)	SP000210978	47
SAK-TC1765N-L40EB-G AC-Step	SP000235281	27	SAK-XC886-8FFA (automotive)	SP000210971	47
SAK-TC1765T-L40EB AC-Step	SP000094463	27	SAK-XC886C-8FFA (automotive)	SP000106749	48
SAK-TC1766-192F80HL BB-Step	SP000101658	27	SAK-XC886CLM-8FFA	SP000210964	48
SAK-TC1775-L40E BA-Step	SP000012965	27	(automotive)		
SAK-TC1775-L40E-G BA-Step	SP000235280	27	SAK-XC886CM-8FFA (automotive)	SP000210965	48
SAK-TC1796-256F150E BC-Step	SP000097528	27	SAK-XC886LM-6FFA (automotive)	SP000210977	48
SAK-TC1796-256F150E BD-Step	SP000228013	27	SAK-XC886LM-8FFA (automotive)	SP000210970	48
SAK-TC1796-256F150E-G BD-Step	SP000228336	27	SAK-XC888-6FFA (automotive)	SP000210995	49
SAK-XC161CJ-16F20F BB-Step	SP000096148	30	SAK-XC888-8FFA (automotive)	SP000210992	49
SAK-XC161CJ-16F20F BB-Step	SP000224538	30	SAK-XC888C-8FFA (automotive)	SP000098771	49
SAK-XC161CJ-16F40F BB-Step	SP000083664	30	SAK-XC888CLM-8FFA	SP000210982	49
SAK-XC161CJ-16F40F BB-Step	SP000224540	30	(automotive)		
SAK-XC161CS-32F20F BB-A-Step	SP000098774	30	SAK-XC888CM-8FFA (automotive)	SP000210983	49
SAK-XC161CS-32F20F BB-A-Step	SP000224543	30	SAK-XC888LM-6FFA (automotive)	SP000210994	49
SAK-XC161CS-32F40F BB-A-Step	SP000098775	30	SAK-XC888LM-8FFA (automotive)	SP000210991	49
SAK-XC161CS-32F40F BB-A-Step	SP000224544	30	SAR 10H	SP000236872	134
SAK-XC164CM-4F20F AA-Step	SP000203866	33	SDB 06S60	SP000013624	80
SAK-XC164CM-4F20F AA-Step	SP000084409	33	SDB 20S30	SP000013514	80
SAK-XC164CM-4F40F AA-Step	SP000203867	33	SDD 04S60	SP000013515	80
SAK-XC164CM-4F40F AA-Step	SP000084411	33	SDD 04S60	SP000077602	80
SAK-XC164CM-8F20F AA-Step	SP000203868	33	SDP 04S60	SP000013358	80
SAK-XC164CM-8F20F AA-Step	SP000065643	33	SDP 06S60	SP000013357	80
SAK-XC164CM-8F40F AA-Step	SP000203869	33	SDP 10S30	SP000013359	80
SAK-XC164CM-8F40F AA-Step	SP000065644	33	SDP 20S30	SP000013625	80
SAK-XC164CS-16F20F BB-Step	SP000224559	34	SDT 04S60	SP000013822	80
SAK-XC164CS-16F20F BB-Step	SP000094533	34	SDT 05S60	SP000014671	80
SAK-XC164CS-16F20F BB-Step	SP000224558	34	SDT 06S60	SP000013823	80
SAK-XC164CS-16F40F BB-Step	SP000224561	34	SDT 08S60	SP000014897	80
SAK-XC164CS-16F40F BB-Step	SP000083674	34	SDT 10S30	SP000013824	80
SAK-XC164CS-16F40F BB-Step	SP000224560	34	SDT 10S60	SP000014896	80
SAK-XC164CS-32F20F BB-A-Step	SP000224595	35	SDT 12S60	SP000013825	80
SAK-XC164CS-32F20F BB-A-Step	SP000098788	35	SFH 250	SP000063866	144
SAK-XC164CS-32F20F BB-A-Step	SP000222594	35	SFH 250 V	SP000063852	144



Summary of Types

Type	Ordering Code	Page	Type	Ordering Code	Page
SFH 350	SP000063861	144	SKB 02N60 E-3266	SP000012417	75
SFH 350 V	SP000063853	144	SKB 04N60	SP000012425	75
SFH 551/1-1	SP000063860	144	SKB 06N60	SP000012427	75
SFH 551/1-1V	SP000063855	144	SKB 06N60HS	SP000014222	76
SFH 756	SP000063802	144	SKB 10N60	SP000012420	75
SFH 756 V	SP000063814	144	SKB 10N60A	SP000013740	75
SFH 757	SP000063871	144	SKB 15N60	SP000012429	75
SFH 757 V	SP000063858	144	SKB 15N60 E-8151	SP000012430	75
SGB 02N120	SP000012558	74	SKB 15N60HS	SP000014221	76
SGB 02N60	SP000011978	74	SKD 04N60 LV	SP000014295	74
SGB 04N60	SP000011979	74	SKP 02N120	SP000012568	75
SGB 06N60	SP000011980	74	SKP 02N60	SP000012421	75
SGB 07N120	SP000012559	74	SKP 04N60	SP000012418	75
SGB 10N60	SP000011981	74	SKP 06N60	SP000012426	75
SGB 10N60A	SP000013790	74	SKP 10N60	SP000012419	75
SGB 15N120	SP000012560	74	SKP 10N60A	SP000013739	75
SGB 15N60	SP000011983	74	SKP 15N60	SP000012428	75
SGB 15N60 E-3261	SP000011982	74	SKW 07N120	SP000012569	75
SGB 15N60HS	SP000014134	75	SKW 10N60	SP000012481	75
SGB 15N60HS	SP000056421	75	SKW 10N60A	SP000013741	75
SGB 20N60	SP000011984	74	SKW 15N120	SP000012570	75
SGB 30N60	SP000011985	74	SKW 15N60	SP000012482	75
SGD 02N120	SP000012566	74	SKW 20N60	SP000012483	75
SGD 02N60	SP000011993	74	SKW 20N60HS	SP000013772	76
SGD 04N60	SP000011994	74	SKW 25N120	SP000012571	75
SGD 06N60	SP000011995	74	SKW 30N60	SP000012484	75
SGI 02N120	SP000012885	74	SKW 30N60HS	SP000013744	76
SGP 02N120	SP000012561	74	SLB 9635 TT1.2	SP000107000	137
SGP 02N60	SP000011986	74	SLE 4406SPE-C	SP000095249	140
SGP 04N60	SP000011987	74	SLE 4406SPE-D	SP000095254	140
SGP 06N60	SP000011988	74	SLE 4406SPE-M3.2	SP000095380	140
SGP 07N120	SP000012562	74	SLE 4406SPE-MFC3.1	SP000095381	140
SGP 10N60	SP000011989	74	SLE 4418-M2.2	SP000060239	140
SGP 10N60A	SP000013743	74	SLE 4428-C	SP000060240	140
SGP 15N120	SP000012563	74	SLE 4428-M2.2	SP000060241	140
SGP 15N60	SP000011990	74	SLE 4432 MFC3.1	SP000063713	140
SGP 20N60	SP000011991	74	SLE 4432-C	SP000060242	140
SGP 20N60HS	SP000013838	75	SLE 4432-M3.2	SP000060243	140
SGP 30N60	SP000011992	74	SLE 4442-C	SP000060256	140
SGP 30N60HS	SP000013839	75	SLE 4442-M2.2	SP000009848	140
SGW 10N60	SP000012464	74	SLE 4442-M3.2	SP000067536	140
SGW 10N60A	SP000013742	74	SLE 4442-MFC3.1	SP000095055	140
SGW 15N120	SP000012564	74	SLE 50C363PE-C	SP000104935	138
SGW 15N60	SP000012465	74	SLE 50C363PE-M5.1	SP000104936	138
SGW 20N60	SP000012466	74	SLE 50C363PE-MFC5.6	SP000104937	138
SGW 20N60HS	SP000013771	75	SLE 50C363PE-MFC5.8	SP000104938	138
SGW 25N120	SP000012565	74	SLE 50C683PE-C	SP000104939	138
SGW 30N60	SP000012467	74	SLE 50C683PE-M5.1	SP000104940	138
SGW 30N60HS	SP000013770	75	SLE 50C683PE-MFC5.6	SP000104941	138
SGW 50N60HS	SP000089248	75	SLE 50C683PE-MFC5.8	SP000104942	138
SIP 80912	SP000007970	17	SLE 5532-C	SP000222820	140
SIP 82912	on request	17	SLE 5532-M2.2	SP000222821	140
SIPB 21483	on request	18	SLE 5532-M3.2	SP000222822	140
SIPB 21486	on request	18	SLE 5532-MFC3.1	SP000222823	140
SIPB 21493	SP000007967	18	SLE 5542-C	SP000222824	140
SKA 06N60	SP000215379	75	SLE 5542-M2.2	SP000222825	140
SKB 02N120	SP000012567	75	SLE 5542-M3.2	SP000222826	140
SKB 02N60	SP000012416	75	SLE 5542-MFC3.1	SP000222827	140



Summary of Types

Type	Ordering Code	Page	Type	Ordering Code	Page
SLE 55R04	SP000008645	142	SLE 66C681PE-C	SP000060161	138
SLE 55R04-MCC2	SP000008803	142	SLE 66C681PE-M5.1	SP000060162	138
SLE 55R04-NB	SP000076154	142	SLE 66C681PE-MFC5.6	SP000060163	138
SLE 55R16-C	SP000107208	142	SLE 66C681PE-MFC5.8	SP000060164	138
SLE 55V02P-NB	SP000009489	142	SLE 66C682PE-C	SP000060165	138
SLE 6636-C	SP000060267	140	SLE 66C682PE-M5.1	SP000060166	138
SLE 6636COM-C	SP000010098	140	SLE 66C682PE-MFC5.6	SP000060167	138
SLE 6636COM-D	SP000010094	140	SLE 66C682PE-MFC5.8	SP000060168	138
SLE 6636COM-M3.2	SP000010111	140	SLE 66C82P-C	SP000060171	137
SLE 6636COM-M3.2	SP000010020	140	SLE 66C82P-M5.1	SP000060172	137
SLE 6636-D	SP000010093	140	SLE 66C84PE-C	SP000060173	137
SLE 6636E-C	SP000101316	140	SLE 66C84PE-M5.1	SP000060174	137
SLE 6636ECOM-D	SP000079443	140	SLE 66C84PE-MFC5.6	SP000060175	137
SLE 6636ECOM-M3.2	SP000214217	140	SLE 66C84PE-MFC5.8	SP000060176	137
SLE 6636ECOM-MFC3.1	SP000217141	140	SLE 66CL80P-C	SP000060223	141
SLE 6636E-M3.2	SP000204855	140	SLE 66CL80P-M8.4	SP000067534	141
SLE 6636E-MFC3.1	SP000102643	140	SLE 66CL80P-NB	SP000060225	141
SLE 6636-M3.2	SP000010110	140	SLE 66CL81P-C	SP000060226	141
SLE 6636-MFC3.1	SP000010022	140	SLE 66CL81P-MCC8	SP000060230	141
SLE 66C161PE-C	SP000067539	137	SLE 66CL81P-NB	SP000067777	141
SLE 66C161PE-M5.1	SP000067515	137	SLE 66CLX320P-C	SP000060231	141
SLE 66C161PE-MFC5.6	SP000067537	137	SLE 66CLX320P-M8.4	SP000060232	141
SLE 66C161PE-MFC5.8	SP000060085	137	SLE 66CLX320P-MCC8	SP000009480	141
SLE 66C166PE-C	SP000060100	137	SLE 66CLX321P-C	SP000060233	141
SLE 66C166PE-M5.1	SP000060101	137	SLE 66CLX321P-MCC8	SP000060234	141
SLE 66C166PE-MFC5.6	SP000060102	137	SLE 66CLX640P-C	SP000060235	141
SLE 66C166PE-MFC5.8	SP000060103	137	SLE 66CLX640P-M8.4	SP000067542	141
SLE 66C168PE-C	SP000060105	137	SLE 66CLX641P-C	SP000060236	141
SLE 66C168PE-M5.1	SP000067514	137	SLE 66CLX641P-M	SP000017196	141
SLE 66C168PE-MFC5.6	SP000060108	137	SLE 66CLX641P-MCC8	SP000018099	141
SLE 66C168PE-MFC5.8	SP000060109	137	SLE 66CLX641P-MFC5.8	SP000060237	141
SLE 66C24PE-C	SP000060110	137	SLE 66CX162PE-C	SP000060182	137
SLE 66C24PE-M5.1	SP000060111	137	SLE 66CX162PE-M5.1	SP000060183	137
SLE 66C24PE-MFC5.6	SP000060112	137	SLE 66CX162PE-MFC5.6	SP000060184	137
SLE 66C24PE-MFC5.8	SP000060113	137	SLE 66CX162PE-MFC5.8	SP000060185	137
SLE 66C321PE-M5.1	SP000060137	138	SLE 66CX322P-C	SP000060186	137
SLE 66C321PE-MFC5.6	SP000060138	138	SLE 66CX322P-M5.1	SP000009097	137
SLE 66C321PE-MFC5.8	SP000060139	138	SLE 66CX322P-MFC5.6	SP000060188	137
SLE 66C324PE-C	SP000060144	138	SLE 66CX360PE-C	SP000060189	138
SLE 66C324PE-M5.1	SP000009889	138	SLE 66CX360PE-M5.1	SP000215320	138
SLE 66C324PE-MFC5.6	SP000067540	138	SLE 66CX360PE-MFC5.6	SP000060191	138
SLE 66C324PE-MFC5.8	SP000067545	138	SLE 66CX360PE-MFC5.8	SP000060192	138
SLE 66C360PE-C	SP000060146	138	SLE 66CX680PE-C	SP000067526	138
SLE 66C360PE-M5.1	SP000067575	138	SLE 66CX680PE-M5.1	SP000216967	138
SLE 66C367PE-C	SP000204418	138	SLE 66CX680PE-MFC5.6	SP000060200	138
SLE 66C367PE-M5.1	SP000204419	138	SLE 66CX680PE-MFC5.8	SP000060201	138
SLE 66C367PE-MFC5.6	SP000204420	138	SLE 66CX80PE-C	SP000060202	137
SLE 66C367PE-MFC5.8	SP000204421	138	SLE 66CX80PE-M5.1	SP000060203	137
SLE 66C42P-C	SP000060149	137	SLE 66CX80PE-MFC5.6	SP000060204	137
SLE 66C42P-M5.1	SP000008985	137	SLE 66CX80PE-MFC5.8	SP000060205	137
SLE 66C44PE-C	SP000060151	137	SLE 66R35-C	SP000009422	142
SLE 66C44PE-M5.1	SP000060152	137	SLE 66R35-MCC2	SP000009450	142
SLE 66C44PE-MFC5.6	SP000060153	137	SLE 66R35-MCC8	SP000009487	142
SLE 66C44PE-MFC5.8	SP000060154	137	SLE 66R35-MFCC1	SP000010024	142
SLE 66C644P-C	SP000060157	137	SLE 66R35-NB	SP000009425	142
SLE 66C644P-M5.1	SP000060158	137	SLE 7736-C	SP000060269	140
SLE 66C680PE-M	SP000060159	138	SLE 7736E-C	SP000009512	140
SLE 66C680PE-M5.1	SP000060160	138	SLE 7736E-D	SP000009513	140



Summary of Types

Type	Ordering Code	Page	Type	Ordering Code	Page
SLE 7736E-M3.2	SP000009443	140	SMART 3086	SP000007986	14
SLE 7736-M3.2	SP000060270	140	SMART 3265	SP000007987	13
SLE 7736-MFC3.1	SP000228320	140	SMART 3268	SP000204343	13
SLE 88C1690P-C	SP000234852	139	SMART 4262	SP000008102	13
SLE 88C1690P-M5.1	SP000234853	139	SMART 4265 P-DSO-20	SP000007988	13
SLE 88C1690P-MFC5.6	SP000234854	139	SMART 4265 P-VQFN-48	SP000007989	13
SLE 88C1690P-MFC5.8	SP000234855	139	SMART 4268	SP000008156	13
SLE 88C9200P-MFC5.8	SP000227727	139	SMART 4365 P-DSO-36	SP000007990	13
SLE 88C920P-C	SP000227724	139	SMBD 7000 (Dual) 10k	SP000014937	105
SLE 88C920P-M5.1	SP000227725	139	SMBD 7000 (Dual) 3k	SP000014938	105
SLE 88C920P-MFC5.6	SP000227726	139	SMBD 914 3k	SP000010209	103
SLE 88CF2920P-C	SP000096156	139	SMBT 2222A 3k	SP000011176	108
SLE 88CF2920P-M5.1	SP000096157	139	SMBT 2907A 3k	SP000011181	113
SLE 88CF2920P-MFC5.6	SP000096158	139	SMBT 3904 10k	SP000011675	108
SLE 88CF2920P-MFC5.8	SP000096159	139	SMBT 3904 10x3k	SP000223860	108
SLE 88CF3520P-C	SP000096160	139	SMBT 3904 3k	SP000011673	108
SLE 88CF3520P-M5.1	SP000096161	139	SMBT 3904 9x10k	SP000223947	108
SLE 88CF3520P-MFC5.6	SP000096162	139	SMBT 3904PN 3k	SP000014740	120
SLE 88CF3520P-MFC5.8	SP000096163	139	SMBT 3904S 3k	SP000014737	120
SLE 88CF4000P-C	SP000067771	139	SMBT 3904U 3k	SP000012615	120
SLE 88CF4000P-M5.1	SP000067772	139	SMBT 3904UPN 3k	SP000012617	120
SLE 88CF4000P-MFC5.6	SP000210814	139	SMBT 3906 10x3k	SP000223858	113
SLE 88CF4000P-MFC5.8	SP000067773	139	SMBT 3906 3k	SP000011680	113
SLE 88CFX2920P-C	SP000096151	139	SMBT 3906 3k	SP000084312	113
SLE 88CFX2920P-M5.1	SP000096152	139	SMBT 3906 9x10k	SP000223948	113
SLE 88CFX2920P-MFC5.6	SP000096149	139	SMBT 3906 E-6767 3k	SP000011677	113
SLE 88CFX2920P-MFC5.8	SP000096150	139	SMBT 3906S 3k	SP000016694	120
SLE 88CFX3520P-C	SP000096154	139	SMBT 3906U 3k	SP000012616	120
SLE 88CFX3520P-M5.1	SP000096155	139	SMBTA 06 10k	SP000011688	108
SLE 88CFX3520P-MFC5.6	SP000096153	139	SMBTA 06 3k	SP000011686	108
SLE 88CFX4000P-C	SP000060206	139	SMBTA 06UPN 3k	SP000012393	120
SLE 88CFX4000P-M5.1	SP000060207	139	SMBTA 14 3k	SP000010872	117
SLE 88CFX4000P-MFC5.6	SP000207229	139	SMBTA 42 10k	SP000011001	118
SLE 88CFX4000P-MFC5.8	SP000207223	139	SMBTA 42 3k	SP000011000	118
SLE 88CFX4002P-C	SP000060214	139	SMBTA 56 10k	SP000011695	113
SLE 88CFX4002P-M5.1	SP000060215	139	SMBTA 56 3k	SP000011692	113
SLE 88CFX4002P-MFC5.8	SP000060216	139	SMBTA 92 10k	SP000011005	118
SLE 88CFX720P-C	SP000060217	139	SMBTA 92 3k	SP000011004	118
SLE 88CFX720P-M5.3	SP000060218	139	SN 7002N E-6327	SP000014634	51
SMART 2000 MAINBOARD	SP000007972	14	SN 7002N E-6433	SP000014635	51
SMART 2000 MAINBOARD	SP000007972	15	SN 7002N G E-6327	SP000074235	51
SMART 2000 MAINBOARD	SP000007972	15	SN 7002N G E-6433	SP000076522	51
SMART 2000 MAINBOARD	SP000007972	16	SN 7002W E-6327	SP000014285	51
SMART 2000 MAINBOARD	SP000007972	18	SN 7002W E-6433	SP000014286	51
SMART 2057	SP000007973	14	SP12	SP000014795	133
SMART 2057	SP000007973	15	SP12 T-T1	SP000014797	133
SMART 21150	SP000007975	14	SP30 V2.1	SP000081558	133
SMART 21383	on request	18	SP30 V4.1	SP000208318	133
SMART 21384	SP000007976	18	SPA 02N80C3	SP000216295	73
SMART 21393 EURO	SP000007977	18	SPA 03N60C3	SP000216296	70
SMART 21393 USA	on request	18	SPA 04N50C3	SP000216298	69
SMART 2426 EURO	on request	16	SPA 04N60C3	SP000216299	70
SMART 2426 USA/JPN	on request	16	SPA 04N80C3	SP000216300	73
SMART 24901	on request	15	SPA 06N60C3	SP000216301	70
SMART 24901	on request	16	SPA 06N80C3	SP000216302	73
SMART 24911	on request	15	SPA 07N60C3	SP000216303	70
SMART 24911	on request	16	SPA 07N65C3	SP000216305	73
SMART 3081	on request	14	SPA 08N50C3	SP000216306	69



Summary of Types

Type	Ordering Code	Page	Type	Ordering Code	Page
SPA 08N80C3	SP000216310	73	SPB 73N03S2L-08	SP000016257	54
SPA 11N60C3	SP000216312	70	SPB 73N03S2L-08 G	SP000200138	54
SPA 11N60CFD	SP000216317	72	SPB 77N06S2-12	SP000013587	56
SPA 11N65C3	SP000216318	73	SPB 80N03S2-03	SP000016251	54
SPA 11N80C3	SP000216320	73	SPB 80N03S2-03 G	SP000200139	54
SPA 12N50C3	SP000216322	69	SPB 80N03S2L-03	SP000016252	54
SPA 15N60C3	SP000216325	70	SPB 80N03S2L-03 G	SP000200142	54
SPA 16N50C3	SP000216351	69	SPB 80N03S2L-04	SP000013901	54
SPA 17N80C3	SP000216353	73	SPB 80N03S2L-04 G	SP000200143	54
SPA 20N60C3	SP000216354	70	SPB 80N03S2L-05 G	SP000200144	54
SPA 20N60CFD	SP000216361	72	SPB 80N03S2L-06	SP000016264	54
SPA 20N65C3	SP000216362	73	SPB 80N03S2L-06 G	SP000200145	54
SPA 21N50C3	SP000216364	69	SPB 80N04S2-04	SP000016353	55
SPB 02N60C3	SP000013516	70	SPB 80N04S2-H4	SP000016358	55
SPB 02N60S5	SP000012388	70	SPB 80N04S2L-03	SP000016354	55
SPB 03N60C3	SP000013517	70	SPB 80N06S-08	SP000054056	51
SPB 03N60S5	SP000012341	70	SPB 80N06S2-05	SP000016351	56
SPB 04N50C3	SP000014477	69	SPB 80N06S2-07	SP000013578	56
SPB 04N60C3	SP000013533	70	SPB 80N06S2-08	SP000016356	56
SPB 04N60S5	SP000012364	70	SPB 80N06S2-09	SP000013581	56
SPB 07N60C3	SP000013518	70	SPB 80N06S2-H5	SP000013795	56
SPB 07N60S5	SP000012111	70	SPB 80N06S2L-05	SP000016352	56
SPB 08P06P	SP000012508	66	SPB 80N06S2L-06	SP000013577	56
SPB 08P06P G	SP000102179	66	SPB 80N06S2L-07	SP000016357	56
SPB 100N03S2-03	SP000016260	54	SPB 80N06S2L-09	SP000013582	56
SPB 100N03S2-03 G	SP000200140	54	SPB 80N06S2L-11	SP000013586	56
SPB 100N03S2L-03	SP000013460	54	SPB 80N06S2L-H5	SP000013796	56
SPB 100N03S2L-03 G	SP000200141	54	SPB 80N08S2-07	SP000016355	58
SPB 100N04S2-04	SP000013711	55	SPB 80N08S2L-07	SP000016359	58
SPB 100N04S2L-03	SP000013712	55	SPB 80N10L	SP000014350	52
SPB 100N06S2-05	SP000013713	56	SPB 80N10L G	SP000102173	52
SPB 100N06S2L-05	SP000013714	56	SPB 80P06P	SP000012841	66
SPB 100N08S2-07	SP000013715	58	SPB 80P06P G	SP000096088	66
SPB 100N08S2L-07	SP000013716	58	SPD 01N60C3	SP000012114	70
SPB 10N10	SP000013845	52	SPD 02N50C3	SP000014476	69
SPB 10N10 G	SP000102170	52	SPD 02N60C3	SP000013693	70
SPB 10N10L	SP000013836	52	SPD 02N60C3	SP000077611	70
SPB 10N10L G	SP000102169	52	SPD 02N60S5	SP000012389	70
SPB 11N60C3	SP000013519	70	SPD 02N60S5	SP000083074	70
SPB 11N60S5	SP000012373	70	SPD 02N80C3	SP000014822	73
SPB 12N50C3	SP000014894	69	SPD 03N50C3	SP000014289	69
SPB 160N04S2-03	SP000014263	55	SPD 03N60C3	SP000013694	70
SPB 160N04S2L-03	SP000014639	55	SPD 03N60C3	SP000081145	70
SPB 16N50C3	SP000014895	69	SPD 03N60S5	SP000083076	70
SPB 17N80C3	SP000013370	73	SPD 04N50C3	SP000014479	69
SPB 18P06P	SP000012329	66	SPD 04N50C3	SP000077609	69
SPB 18P06P G	SP000102181	66	SPD 04N60C3	SP000013656	70
SPB 20N60C3	SP000013520	70	SPD 04N60C3	SP000077604	70
SPB 20N60S5	SP000012112	70	SPD 04N60S5	SP000012374	70
SPB 21N10	SP000013626	52	SPD 04N60S5	SP000077613	70
SPB 21N10 G	SP000102171	52	SPD 04N80C3	SP000014524	73
SPB 21N50C3	SP000013833	69	SPD 04N80C3	SP000077607	73
SPB 35N10	SP000013627	52	SPD 06N60C3	SP000014696	70
SPB 35N10 G	SP000102172	52	SPD 06N80C3	SP000013364	73
SPB 42N03S2L-13 G	SP000200137	54	SPD 06N80C3	SP000077606	73
SPB 47N10	SP000012327	52	SPD 07N20	SP000012080	53
SPB 47N10L	SP000012078	52	SPD 07N20	SP000077394	53
SPB 70N10L	SP000012079	52	SPD 07N60C3	SP000013730	70



Summary of Types

Type	Ordering Code	Page	Type	Ordering Code	Page
SPD 07N60C3	SP000077605	70	SPI 20N60C3	SP000014453	71
SPD 07N60S5	SP000012113	70	SPI 20N65C3	SP000014525	73
SPD 07N60S5	SP000077614	70	SPI 21N10	SP000013843	52
SPD 08N50C3	SP000013835	69	SPI 21N50C3	SP000014463	69
SPD 08P06P	SP000077441	66	SPI 35N10	SP000013852	52
SPD 08P06P G	SP000096087	66	SPI 42N03S2L-13	SP000013897	54
SPD 09P06PL	SP000012549	66	SPI 47N10	SP000013951	52
SPD 09P06PL G	SP000077442	66	SPI 47N10L	SP000013952	52
SPD 11N10	SP000013847	52	SPI 70N10L	SP000014005	52
SPD 14N06S2-80	SP000013575	56	SPI 73N03S2L-08	SP000016263	54
SPD 15N06S2L-64	SP000013573	56	SPI 80N03S2-03	SP000016262	54
SPD 18P06P	SP000012298	66	SPI 80N03S2L-03	SP000016261	54
SPD 18P06P G	SP000077440	66	SPI 80N03S2L-04	SP000013903	54
SPD 220N08S2L-50	SP000013910	58	SPI 80N03S2L-05	SP000016266	54
SPD 25N06S2-40	SP000013572	56	SPI 80N03S2L-06	SP000016265	54
SPD 26N06S2L-35	SP000013570	56	SPI 80N04S2-04	SP000015085	55
SPD 30N03S2L-07	SP000013749	54	SPI 80N06S-08	SP000054055	51
SPD 30N03S2L-07 G	SP000077583	54	SPI 80N06S2-07	SP000013784	56
SPD 30N03S2L-10	SP000016254	54	SPI 80N06S2-08	SP000013911	56
SPD 30N03S2L-10 G	SP000077499	54	SPI 80N06S2L-05	SP000016360	56
SPD 30N03S2L-20	SP000013488	54	SPI 80N06S2L-11	SP000029960	56
SPD 30N06S2-15	SP000012477	56	SPI 80N08S2-07	SP000013954	58
SPD 30N06S2-23	SP000013596	56	SPI 80N08S2-07R	SP000013717	58
SPD 30N06S2L-13	SP000012478	56	SPI 80N10L	SP000014351	52
SPD 30N06S2L-23	SP000013127	56	SPN 01N60C3	SP000012411	71
SPD 30N08S2-22	SP000013153	58	SPN 02N60C3	SP000014454	71
SPD 30N08S2L-21	SP000013152	58	SPN 02N60C3 E-6433	SP000101883	71
SPD 30P06P	SP000012842	66	SPN 02N60C3 G	SP000101878	71
SPD 30P06P G	SP000077529	66	SPN 02N60S5	SP000012412	71
SPD 35N10	SP000013853	52	SPN 03N60C3	SP000014455	71
SPD 50N03S2-07	SP000016253	54	SPN 03N60S5	SP000012413	71
SPD 50N03S2-07 G	SP000077579	54	SPN 04N60S5	SP000012414	71
SPD 50N03S2L-06 G	SP000077584	54	SPP 02N60C3	SP000013523	71
SPD 50N06S2-14	SP000013569	56	SPP 02N60S5	SP000012390	71
SPD 50N06S2L-13	SP000013568	56	SPP 02N80C3	SP000013732	73
SPD 50P03L	SP000012624	65	SPP 03N60C3	SP000013524	71
SPD 50P03L G	SP000086729	65	SPP 03N60S5	SP000012340	71
SPF MIR 003 02	SP000063793	145	SPP 04N50C3	SP000014478	69
SPF MIR 401	SP000085239	145	SPP 04N60C3	SP000013534	71
SPF MIT 003 02	SP000063798	145	SPP 04N60S5	SP000012363	71
SPF MIT 401	SP000085139	145	SPP 04N80C3	SP000013706	73
SPF MIT 401+	SP000105135	145	SPP 06N60C3	SP000014697	71
SPI 07N60C3	SP000013521	71	SPP 06N80C3	SP000013366	73
SPI 07N60S5	SP000013025	71	SPP 07N60C3	SP000013525	71
SPI 07N65C3	SP000014632	73	SPP 07N60S5	SP000012115	71
SPI 08N50C3	SP000014461	69	SPP 07N65C3	SP000014631	73
SPI 08N80C3	SP000014819	73	SPP 08N50C3	SP000013834	69
SPI 100N03S2-03	SP000013492	54	SPP 08N80C3	SP000013704	73
SPI 100N03S2L-03	SP000013491	54	SPP 08P06P	SP000012085	66
SPI 100N08S2-07	SP000055687	58	SPP 100N03S2-03	SP000013463	55
SPI 10N10	SP000013846	52	SPP 100N03S2L-03	SP000013462	55
SPI 10N10L	SP000013850	52	SPP 100N04S2-04	SP000013718	55
SPI 11N60C3	SP000013522	71	SPP 100N04S2L-03	SP000013719	55
SPI 11N60S5	SP000013033	71	SPP 100N06S2-05	SP000013720	56
SPI 11N65C3	SP000014526	73	SPP 100N06S2L-05	SP000013721	56
SPI 12N50C3	SP000014467	69	SPP 100N08S2-07	SP000013722	58
SPI 15N60C3	SP000014528	71	SPP 100N08S2L-07	SP000013723	58
SPI 16N50C3	SP000014470	69	SPP 10N10	SP000013844	52



Summary of Types

Type	Ordering Code	Page	Type	Ordering Code	Page
SPP 10N10L	SP000013849	52	SPU 07N60S5	SP000012109	71
SPP 11N60C3	SP000013526	71	SPU 08P06P	SP000012086	66
SPP 11N60CFD	SP000014533	72	SPU 09P06PL	SP000012876	66
SPP 11N60S5	SP000012375	71	SPU 11N10	SP000013848	52
SPP 11N65C3	SP000014371	73	SPU 18P06P	SP000012303	66
SPP 11N80C3	SP000013701	73	SPU 30N03S2-08	SP000014129	55
SPP 12N50C3	SP000014459	69	SPU 30N03S2L-10	SP000013467	55
SPP 15N60C3	SP000014527	71	SPU 30P06P	SP000012844	66
SPP 15P10P	SP000014331	66	SPW 11N60C3	SP000013728	71
SPP 15P10P G	SP000212313	66	SPW 11N60CFD	SP000014534	72
SPP 16N50C3	SP000014460	69	SPW 11N60S5	SP000012462	71
SPP 17N80C3	SP000013354	73	SPW 11N80C3	SP000013703	73
SPP 18P06P	SP000012300	66	SPW 12N50C3	SP000014469	69
SPP 20N60C3	SP000013527	71	SPW 15N60C3	SP000014530	71
SPP 20N60CFD	SP000014475	72	SPW 16N50C3	SP000014472	69
SPP 20N60S5	SP000012116	71	SPW 17N80C3	SP000013369	73
SPP 20N65C3	SP000014369	73	SPW 17N80C3	SP000101842	73
SPP 21N10	SP000013842	52	SPW 20N60C3	SP000013729	71
SPP 21N50C3	SP000013832	69	SPW 20N60CFD	SP000014535	72
SPP 24N60C3	SP000014690	71	SPW 20N60S5	SP000012463	71
SPP 35N10	SP000013851	52	SPW 21N50C3	SP000014464	69
SPP 42N03S2L-13	SP000013464	54	SPW 24N60C3	SP000014695	71
SPP 47N10	SP000012415	52	SPW 32N50C3	SP000014625	69
SPP 47N10L	SP000012102	52	SPW 35N60C3	SP000014970	71
SPP 70N10L	SP000012103	52	SPW 35N60CFD	SP000065487	72
SPP 73N03S2L-08	SP000013465	54	SPW 47N60C3	SP000013953	71
SPP 77N06S2-12	SP000013588	56	SPW 47N60CFD	SP000065376	72
SPP 80N03S2-03	SP000012468	55	SPW 52N50C3	SP000014626	69
SPP 80N03S2L-03	SP000012469	55	SRF 55V01P-NB	SP000219049	142
SPP 80N03S2L-04	SP000013902	55	SRF 55V02P-C	SP000009363	142
SPP 80N03S2L-05	SP000013466	55	SRF 55V02P-MCC2	SP000009367	142
SPP 80N03S2L-06	SP000014061	55	SRF 55V02P-MFCC1	SP000010033	142
SPP 80N04S2-04	SP000012470	55	SRF 55V02P-S-Y1.0	SP000009372	142
SPP 80N04S2-H4	SP000013150	55	SRF 55V02S-C	SP000009364	142
SPP 80N04S2L-03	SP000012472	55	SRF 55V02S-MCC2	SP000009368	142
SPP 80N06S-08	SP000054054	56	SRF 55V02S-MFCC1	SP000010034	142
SPP 80N06S2-05	SP000012473	56	SRF 55V02S-NB	SP000009491	142
SPP 80N06S2-07	SP000013579	56	SRF 55V02S-S-Y1.0	SP000009373	142
SPP 80N06S2-08	SP000012822	56	SRF 55V02S-S-Y2.0	SP000009374	142
SPP 80N06S2-09	SP000013583	56	SRF 55V10P-C	SP000009362	142
SPP 80N06S2-H5	SP000014000	56	SRF 55V10P-MCC2	SP000009365	142
SPP 80N06S2L-05	SP000012474	56	SRF 55V10P-MFCC1	SP000010035	142
SPP 80N06S2L-06	SP000013576	56	SRF 55V10P-NB	SP000009490	142
SPP 80N06S2L-07	SP000012823	56	SRF 55V10S-C	SP000009289	142
SPP 80N06S2L-09	SP000013580	56	SRF 55V10S-MCC2	SP000009366	142
SPP 80N06S2L-11	SP000013584	56	SRF 55V10S-MFCC1	SP000010036	142
SPP 80N06S2L-H5	SP000014001	56	SRF 55V10S-NB	SP000009290	142
SPP 80N08S2-07	SP000012475	58	SRF 55V10S-S-Y1.0	SP000009371	142
SPP 80N08S2L-07	SP000012476	58	SRF 55V10S-S-Y2.0	SP000009376	142
SPP 80N10L	SP000014349	52	SRF 66V10IT-NB	SP000010136	142
SPP 80P06P	SP000012840	66	SRF 66V10ST-NB	SP000206820	142
SPU 01N60C3	SP000012110	71			
SPU 02N60C3	SP000015064	71			
SPU 02N60S5	SP000012422	71			
SPU 03N60S5	SP000012423	71			
SPU 04N60C3	SP000095850	71			
SPU 04N60S5	SP000012424	71			
SPU 07N60C3	SP000101635	71			
			T		
			TCA 305G	SP000011709	101
			TCA 305G	SP000080985	101
			TCA 305G GEG	SP000011710	101



Summary of Types

Type	Ordering Code	Page	Type	Ordering Code	Page
TCA 305G GEG	SP000080986	101	TDA 5251	SP000014554	135
TCA 355G	SP000080987	101	TDA 5252	SP000057332	135
TCA 355G GEG	SP000011712	101	TDA 5255	SP000014555	135
TCA 355G GEG	SP000080988	101	TDA 6190 T Evaboard	on request	24
TCA 3727	SP000011713	88	TDA 6190 T GEG	SP000012810	23
TCA 3727G	SP000011714	88	TDA 6190 T GEG DRYPACK	SP000012811	23
TCA 505BG	SP000011717	101	TDA 6192 T	SP000013411	23
TCA 505BG GEG	SP000011718	101	TDA 6192 T DRYPACK	SP000013410	23
TCA 505BG GEG	SP000105379	101	TDA 6192 T Evaboard	on request	24
TCA 785	SP000011719	101	TDA 6192 V	SP000017968	23
TCA 965B	SP000011720	101	TDK 5100	SP000014556	135
TDA 16846	SP000011731	97	TDK 5100 F	SP000014745	135
TDA 16846 G GEG	SP000012854	97	TDK 5101	SP000014558	135
TDA 16846 G GEG	SP000081009	97	TDK 5101F	SP000014744	135
TDA 16846-2	SP000013854	97	TDK 5110	SP000013531	135
TDA 16846-2G GEG	SP000081008	97	TDK 5110 F	SP000056180	135
TDA 16847	SP000011732	97	TDK 5111	SP000014016	135
TDA 16847-2	SP000013856	97	TDK 5111F	SP000056181	135
TDA 16888	SP000011721	97	TDK 5116F	SP000056182	135
TDA 16888 G	SP000011722	97	TLE 4205	SP000011746	88
TDA 16888 G	SP000081318	97	TLE 4205G	SP000011747	88
TDA 16888 G GEG	SP000011723	97	TLE 4206G	SP000011748	88
TDA 16888 G GEG	SP000087990	97	TLE 4207G	SP000011750	88
TDA 21101G	SP000013698	96	TLE 4208G	SP000012143	88
TDA 21101G	SP000200320	96	TLE 4209A	SP000012194	88
TDA 21102	SP000014699	96	TLE 4226G	SP000011756	83
TDA 21103	SP000015139	96	TLE 4240G	SP000013618	92
TDA 21106	SP000063695	96	TLE 4241GM	SP000014624	92
TDA 21107	SP000015138	96	TLE 4242G	SP000014456	92
TDA 21201-B7	SP000013685	96	TLE 4250G	SP000012163	92
TDA 21201-P7	SP000014081	96	TLE 4251D	SP000013042	92
TDA 21201-S7	SP000014082	96	TLE 4251G	SP000013761	92
TDA 21301	SP000013699	96	TLE 4252D	SP000014642	92
TDA 21801	SP000015019	98	TLE 4262G	SP000011760	90
TDA 4605-2	SP000011728	97	TLE 4262GM	SP000012365	90
TDA 4605-3	SP000011729	97	TLE 4263G	SP000011762	90
TDA 4862	SP000011734	98	TLE 4263GM	SP000012367	90
TDA 4862G GEG	SP000011735	98	TLE 4263GS	SP000014278	90
TDA 4862G GEG	SP000080989	98	TLE 4264-2G	SP000013989	92
TDA 4863	SP000013654	98	TLE 4264G	SP000011765	90
TDA 4863-2	SP000014792	98	TLE 4266-2G	SP000013991	92
TDA 4863-2G	SP000014793	98	TLE 4266-2GS V33	SP000013992	91
TDA 4863-2G	SP000081016	98	TLE 4266G	SP000011768	90
TDA 4863G	SP000013655	98	TLE 4266GS V10	SP000012431	91
TDA 4863G	SP000080991	98	TLE 4267	SP000012167	91
TDA 4916GG	SP000087991	97	TLE 4267G	SP000011774	91
TDA 5102	SP000013431	135	TLE 4267GM	SP000012506	91
TDA 5102	SP000013432	135	TLE 4267S	SP000011771	91
TDA 5200	SP000016381	135	TLE 4268G	SP000011777	90
TDA 5201	SP000012902	135	TLE 4268GS	SP000011781	90
TDA 5201	SP000087135	135	TLE 4269G	SP000011784	90
TDA 5210	SP000016384	135	TLE 4269GL	SP000011789	90
TDA 5210	SP000087156	135	TLE 4269GM	SP000011790	90
TDA 5211	SP000016390	135	TLE 4270	SP000011792	91
TDA 5212	SP000013430	135	TLE 4270D	SP000012195	91
TDA 5220	SP000014342	135	TLE 4270G	SP000011794	91
TDA 5221	SP000014343	135	TLE 4270S	SP000011793	91
TDA 5250	SP000012956	135	TLE 4271-2	SP000013201	91



Summary of Types

Type	Ordering Code	Page	Type	Ordering Code	Page
TLE 4271-2G	SP000013203	91	TLE 4307D V33	SP000012829	93
TLE 4271-2S	SP000013202	91	TLE 4307D V38	SP000012828	93
TLE 4274 V10	SP000011811	91	TLE 4470G	SP000011856	92
TLE 4274 V50	SP000011809	91	TLE 4470GS	SP000011861	92
TLE 4274 V85	SP000011810	91	TLE 4471G	SP000013144	92
TLE 4274D V33	SP000011803	90	TLE 4473G V52	SP000014119	92
TLE 4274D V50	SP000011801	91	TLE 4473G V53	SP000014118	92
TLE 4274G V10	SP000011798	91	TLE 4473G V55	SP000014117	92
TLE 4274G V50	SP000011796	91	TLE 4476D	SP000012771	92
TLE 4274G V85	SP000011797	91	TLE 4484G	SP000012507	93
TLE 4274GS V25	SP000011807	90	TLE 4726G	SP000011863	88
TLE 4274GS V33	SP000011806	90	TLE 4727	SP000011864	88
TLE 4274GV	SP000089303	91	TLE 4728G	SP000011865	88
TLE 4275	SP000011814	91	TLE 4729G	SP000011867	88
TLE 4275D	SP000012151	91	TLE 4905G	SP000011869	134
TLE 4275G	SP000011818	91	TLE 4905L	SP000016544	134
TLE 4275S	SP000011815	91	TLE 4905L E-6433	SP000016545	134
TLE 4276 V10	SP000011834	91	TLE 4906H	SP000012950	134
TLE 4276 V50	SP000011832	91	TLE 4906L	SP000012949	134
TLE 4276 V85	SP000011833	91	TLE 4913	SP000013490	134
TLE 4276D V50	SP000012198	91	TLE 4917	SP000013477	134
TLE 4276DV	SP000012197	90	TLE 4921-5U	SP000013593	134
TLE 4276G V10	SP000011823	91	TLE 4923	SP000011875	134
TLE 4276G V50	SP000011821	91	TLE 4925	SP000013753	134
TLE 4276G V85	SP000011822	91	TLE 4925C	SP000014169	134
TLE 4276GV	SP000011824	90	TLE 4925C-HT E-6747	SP000076003	134
TLE 4276S V50	SP000011829	91	TLE 4925-HT	SP000018185	134
TLE 4276S V85	SP000011830	91	TLE 4935G	SP000011877	134
TLE 4276SV	SP000011831	90	TLE 4935L	SP000016376	134
TLE 4276V	SP000011835	90	TLE 4941	SP000015115	134
TLE 4278G	SP000011838	90	TLE 4941-1	SP000014942	134
TLE 4279G	SP000011840	90	TLE 4941-1C	SP000014553	134
TLE 4279GM	SP000011845	90	TLE 4941C	SP000015116	134
TLE 4284D V15	SP000089571	90	TLE 4942-1	SP000015067	134
TLE 4284D V18	SP000063690	90	TLE 4942-1C	SP000014552	134
TLE 4284D V26	SP000054076	90	TLE 4945-2G	SP000011879	134
TLE 4284D V33	SP000014340	90	TLE 4945-2L	SP000013154	134
TLE 4284D V50	SP000017633	91	TLE 4945L	SP000016546	134
TLE 4284DV	SP000014339	90	TLE 4946-1L	SP000015003	134
TLE 4285G	SP000011850	90	TLE 4946H	SP000014640	134
TLE 4286G	SP000011851	90	TLE 4953 C	SP000015141	134
TLE 4287G	SP000011854	91	TLE 4966H	SP000014532	134
TLE 4290D	SP000012762	91	TLE 4966L	SP000014135	134
TLE 4290G	SP000012763	91	TLE 4976-1H	SP000014722	134
TLE 4295G V26	SP000012503	90	TLE 4976L	SP000012951	134
TLE 4295G V30	SP000012502	90	TLE 4990	SP000012542	134
TLE 4295G V33	SP000012501	90	TLE 4990 E-6782	SP000014373	134
TLE 4295G V50	SP000012500	90	TLE 5205-2	SP000011886	88
TLE 4296-2G V33	SP000014332	90	TLE 5205-2G	SP000011890	88
TLE 4296-2G V50	SP000014333	90	TLE 5205-2GP	SP000011891	88
TLE 4296G V30	SP000012764	90	TLE 5205-2S	SP000011887	88
TLE 4296G V33	SP000012765	90	TLE 5206-2	SP000011892	88
TLE 4296G V50	SP000012766	90	TLE 5206-2G	SP000011894	88
TLE 4299G	SP000012770	92	TLE 5206-2GP	SP000011895	88
TLE 4299G V33	SP000056992	91	TLE 5206-2S	SP000011893	88
TLE 4299GM	SP000013145	92	TLE 6208-3G	SP000012148	88
TLE 4299GM V33	SP000056991	91	TLE 6208-6G	SP000012975	88
TLE 4305G	SP000011855	93	TLE 6209R	SP000013299	88



Summary of Types

Type	Ordering Code	Page	Type	Ordering Code	Page
TLE 6210G B2	SP000013645	95	TLE 7272G	SP000055848	92
TLE 6211G-C1	SP000013647	95	TLE 7273 V26	SP000067153	91
TLE 6214L	SP000014123	83	TLE 7273 V33	SP000067154	91
TLE 6215G	SP000013649	83	TLE 7273 V50	SP000067155	92
TLE 6216G	SP000013652	83	TLE 7274D	SP000055849	92
TLE 6217G	SP000013947	83	TLE 7274G	SP000055850	92
TLE 6220GP	SP000011903	83	TLE 7276D	SP000055851	92
TLE 6225G	SP000012168	83	TLE 7276G	SP000055852	92
TLE 6228GP	SP000012154	83	TLE 7469GV52	SP000014191	92
TLE 6230GP	SP000012169	83	TLE 7469GV53	SP000017740	92
TLE 6232GP	SP000012541	83	TLE 7719T	SP000014172	95
TLE 6236G	SP000012767	83	TLE 7719T	SP000228426	95
TLE 6237G	SP000014095	83	TUA 1030 DRYPACK	SP000013616	23
TLE 6240GP	SP000012171	83	TUA 6020	SP000012798	23
TLE 6244X	SP000013785	83	TUA 6020 Evaboard	on request	24
TLE 6250G	SP000012832	94	TUA 6024-2	SP000012767	23
TLE 6250G V33	SP000013959	94	TUA 6024-2 Evaboard	on request	24
TLE 6250PG	SP000055308	94	TUA 6030	SP000012954	23
TLE 6251DS	SP000069399	94	TUA 6030 Evaboard	on request	24
TLE 6251G	SP000082094	94	TUA 6034 + TDA 6190 T Low IF Half NIM	on request	24
TLE 6254-3G	SP000014156	94	TUA 6034 ATSC Reference NIM	on request	24
TLE 6255G	SP000012141	94	LGE Demod		
TLE 6258-2G	SP000014969	94	TUA 6034 ATSC Reference Tuner	on request	24
TLE 6259-2G	SP000014214	94	TUA 6034 DVB-T Reference NIM	on request	24
TLE 6262G	SP000013837	94	Micronas Demod		
TLE 6263G	SP000075505	94	TUA 6034 DVB-T Reference Tuner	on request	24
TLE 6266G	SP000013996	94	TUA 6034 Evaboard	on request	24
TLE 6281G	SP000107818	89	TUA 6034 T	SP000013610	23
TLE 6282G	SP000081973	89	TUA 6034 T ATSC Evaboard	on request	24
TLE 6284G	SP000083033	89	TUA 6034 T DVB Reference NIM	on request	24
TLE 6285G	SP000065800	94	Cad Data DVB-T with PNP PN2020		
TLE 6286G	SP000065801	94	TUA 6034 T ISDB -T Reference Tuner	on request	24
TLE 6287GP	SP000014090	89	TUA 6034 T ISDB-T Evaboard	on request	24
TLE 6288R	SP000013727	83	TUA 6034 T+TDA 6192 T HALF NIM	on request	24
TLE 6289GP	SP000014724	89	TUA 6034 V	SP000017969	23
TLE 6361G	SP000013297	93	TUA 6034 V Evaboard	on request	24
TLE 6363G	SP000014251	93	TUA 60342 V Mini Half NIM	on request	24
TLE 6365G	SP000013455	93	TUA 6036 T	SP000014627	23
TLE 6368G1	SP000015046	93	TUA 6036 T Evaboard	on request	24
TLE 6368R	SP000014666	93	TUA 6041	SP000018085	23
TLE 6389G 50	SP000015002	93	TUA 6045	SP000018086	23
TLE 6389G 50-1	SP000015001	93	TUA6041 Evaboard	on request	24
TLE 6389GV	SP000013787	93	TUA6041 Ref Tuner UHF	on request	24
TLE 6710Q	SP000013708	95	TUA6045 Evaboard ATSC	on request	24
TLE 6711G	SP000012787	95	TUA6045 Evaboard DVB-T	on request	24
TLE 6712G	SP000013710	95	TUA6045 Evaboard ISDB-T	on request	24
TLE 6714G	SP000013709	95	TUA6045 Evaboard T-DMB	on request	24
TLE 7209-2R	SP000014748	89	TUA6045 Ref Tuner T-DMB/DAB (BAND III)	on request	24
TLE 7230G	SP000067169	83			
TLE 7230R	SP000067170	83			
TLE 7232G	SP000089034	83			
TLE 7259G	SP000017461	94			
TLE 7270D	SP000014700	92			
TLE 7270G	SP000055309	92			
TLE 7272D	SP000055847	92			

