## High-Precision, Low-Dropout SOT23 Series Voltage Reference

#### **Absolute Maximum Ratings**

IN to GND	0.3V to +13V	Maximum Junction Temperature	+150°C
OUTF, OUTS to GND	0.3V to +6V	Lead Temperature (soldering, 10s)	+300°C
Continuous Power Dissipation (TA = +70°	°C)	Soldering Temperature (reflow)	
6-Pin SOT23 (derate 7.40mW/°C abov	e +70°C)595.20mW	RoHS-Compliant Packages	+245°C
Operating Temperature Range	40°C to +125°C	Packages Containing Lead(Pb)	+240°C
Storage Temperature Range	65°C to +150°C		

Stresses beyond those listed under "Absolute Maximum Ratings" may cause permanent damage to the device. These are stress ratings only, and functional operation of the device at these or any other conditions beyond those indicated in the operational sections of the specifications is not implied. Exposure to absolute maximum rating conditions for extended periods may affect device reliability.

#### **Package Information**

#### 6 SOT23

PACKAGE CODE	U6F+6
Outline Number	<u>21-0058</u>
Land Pattern Number	<u>90-0175</u>
Thermal Resistance, Single-Layer Board	
Junction to Ambient $(\theta_{JA})$	185.50
Junction to Case $(\theta_{JC})$	75
Thermal Resistance, Four-Layer Board	
Junction to Ambient $(\theta_{JA})$	134.40
Junction to Case $(\theta_{JC})$	39

#### RoHS SOT23-6

PACKAGE CODE	U6FH+6
Outline Number	—
Land Pattern Number	-
Thermal Resistance, Single-Layer Board	
Junction to Ambient ( $\theta_{JA}$ )	185.50
Junction to Case $(\theta_{JC})$	75
Thermal Resistance, Four-Layer Board	
Junction to Ambient ( $\theta_{JA}$ )	134.40
Junction to Case $(\theta_{JC})$	39

For the latest package outline information and land patterns (footprints), go to <u>www.maximintegrated.com/packages</u>. Note that a "+", "#", or "-" in the package code indicates RoHS status only. Package drawings may show a different suffix character, but the drawing pertains to the package regardless of RoHS status.

Package thermal resistances were obtained using the method described in JEDEC specification JESD51-7, using a four-layer board. For detailed information on package thermal considerations, refer to <u>www.maximintegrated.com/thermal-tutorial</u>.

## High-Precision, Low-Dropout SOT23 Series Voltage Reference

#### **Electrical Characteristics—V<sub>OUT</sub> = 2.500V**

 $(V_{IN} = 5V, C_{OUT} = 0.1 \mu F, I_{OUT} = 0A, T_A = T_{MIN}$  to  $T_{MAX}$ , unless otherwise specified. Typical values are at  $T_A = +25^{\circ}C$ .) (Note 1)

PARAMETER	SYMBOL	co	NDITIONS	MIN	ТҮР	MAX	UNITS
			MAX6033A	2.4990	2.5000	2.5010	
Output Voltage	V <sub>OUT</sub>	T <sub>A</sub> = +25°C	MAX6033B	2.4950	2.5000	2.5050	V
			MAX6033C	2.4975	2.5000	2.5025	
			MAX6033A	-0.04		+0.04	
Output-Voltage Accuracy		T <sub>A</sub> = +25°C	MAX6033B	-0.2		+0.2	%
			MAX6033C	-0.1		+0.1	]
		MAX6022A	$T_{A} = -40^{\circ}C \text{ to } +85^{\circ}C$		1.5	7	
		WAX0033A	$T_{A} = -40^{\circ}C \text{ to } +125^{\circ}C$		2.5	10	]
Output Voltage Temperature	TOV	MAX6022P	$T_{A} = -40^{\circ}C \text{ to } +85^{\circ}C$		3	10	/°C
Coefficient	TCVOUT	WAX0033D	$T_{A} = -40^{\circ}C \text{ to } +125^{\circ}C$		7	15	
		MAX6022C	$T_A = -40^{\circ}C$ to $+85^{\circ}C$		6	20	
		MAX6033C	$T_{A} = -40^{\circ}C \text{ to } +125^{\circ}C$		10	40	
Input Voltage Range	V <sub>IN</sub>	Inferred from line r	egulation specification	2.7		12.6	V
Line Regulation	ΔV <sub>OUT</sub> / ΔV <sub>IN</sub>	2.7V ≤ V <sub>IN</sub> ≤ 12.6V	T <sub>A</sub> = +25°C		3	25	μV/V
			$T_{A} = -40^{\circ}C \text{ to } +125^{\circ}C$			50	
Load Regulation	ΔV <sub>OUT</sub> / ΔI <sub>OUT</sub>	-100µA ≤ I <sub>OUT</sub> ≤ 15mA	T <sub>A</sub> = +25°C		0.001	0.05	mV/mA
			$T_A = -40^{\circ}C \text{ to } +125^{\circ}C$			0.1	
	V <sub>DO</sub>	V <sub>OUT</sub> = 0.1%, I <sub>OUT</sub> = 1mA			0.02	0.2	
Dropout Voltage (Note 2)		V <sub>OUT</sub> = 0.1%, I <sub>OUT</sub> = 10mA	$T_A = -40^{\circ}C$ to +85°C		0.3	0.4	V
			$T_A = -40^{\circ}C \text{ to } +125^{\circ}C$			0.5	
		T <sub>A</sub> = +25°C			40	60	
Quiescent Supply Current	I <sub>IN</sub>	T <sub>A</sub> = -40°C to +85°C				75	μA
		T <sub>A</sub> = -40°C to +125°C				85	
Output Short Circuit Current		V <sub>OUT</sub> = 0V			90		m۸
	I SC	V <sub>OUT</sub> = V <sub>IN</sub>			-2		
Output Voltage Noise	on	0.1Hz ≤ f ≤ 10Hz			16		μV <sub>P-P</sub>
Output-voltage Noise	en	10Hz ≤ f ≤ 1kHz			12		μV <sub>RMS</sub>
Turn-On Settling Time	t <sub>ON</sub>	V <sub>OUT</sub> settles to ±0.01% of final value			500		μs
Temperature Hysteresis		(Note 3)			150		ppm
Long-Term Stability		∆t = 1000hr			40		ppm

## High-Precision, Low-Dropout SOT23 Series Voltage Reference

#### **Electrical Characteristics—V<sub>OUT</sub> = 3.000V**

 $(V_{IN} = 5V, C_{OUT} = 0.1 \mu F, I_{OUT} = 0A, T_A = T_{MIN}$  to  $T_{MAX}$ , unless otherwise specified. Typical values are at  $T_A = +25^{\circ}C$ .) (Note 1)

PARAMETER	SYMBOL	CON	DITIONS	MIN	ТҮР	MAX	UNITS
			MAX6033A	2.9988	3.0000	3.0012	V
Output Voltage	V <sub>OUT</sub>	T <sub>A</sub> = +25°C	MAX6033B	2.9940	3.0000	3.0060	
			MAX6033C	2.9970	3.0000	3.0030	
			MAX6033A	-0.04		+0.04	
Output-Voltage Accuracy		T <sub>A</sub> = +25°C	MAX6033B	-0.2		+0.2	%
			MAX6033C	-0.1		+0.1	
		MAX6033A	$T_A = -40^{\circ}C$ to $+85^{\circ}C$		1.5	7	
		WAX0033A	$T_A = -40^{\circ}C \text{ to } +125^{\circ}C$		2.5	10	
Output-Voltage Temperature		MAYGO22P	$T_A = -40^{\circ}C$ to $+85^{\circ}C$		3	10	/°C
Coefficient	TOVOUT	WAX0033D	$T_{A} = -40^{\circ}C \text{ to } +125^{\circ}C$		7	15	
			T <sub>A</sub> = -40°C to +85°C		6	20	
		MAX6033C	$T_{A} = -40^{\circ}C \text{ to } +125^{\circ}C$		10	40	
Input Voltage Range	V <sub>IN</sub>	Inferred from line reg	julation specification	3.2		12.6	V
	ΔV <sub>OUT</sub> / ΔV <sub>IN</sub>	3.2V ≤ V <sub>IN</sub> ≤ 12.6V	T <sub>A</sub> = +25°C		4	30	- μV/V
			$T_{A} = -40^{\circ}C \text{ to } +125^{\circ}C$			60	
Load Regulation	ΔV <sub>OUT</sub> / ΔΙ <sub>ΟUT</sub>	-100µA ≤ I <sub>OUT</sub> ≤ 15mA	T <sub>A</sub> = +25°C		0.002	0.06	mV/mA
			$T_{A} = -40^{\circ}C \text{ to } +125^{\circ}C$			0.12	
Dropout Voltage (Note 2)	V <sub>DO</sub>	4)/2007 = 0.1%	I <sub>OUT</sub> = 1mA		0.02	0.2	
Diopout voltage (Note 2)		20001 - 0.178	I <sub>OUT</sub> = 10mA		0.2	0.4	V
		T <sub>A</sub> = +25°C			40	60	
Quiescent Supply Current	I <sub>IN</sub>	$T_A = -40^{\circ}C$ to $+85^{\circ}C$				75	μA
		T <sub>A</sub> = -40°C to +125°C				85	
Output Short Circuit Current		V <sub>OUT</sub> = 0V			90		m۸
Output Short-Circuit Current	ISC	V <sub>OUT</sub> = V <sub>IN</sub>		-2	-2		ША
Quitaut Voltage Naise	<u></u>	0.1Hz ≤ f ≤ 10Hz			24		μV <sub>P-P</sub>
Ouput-voltage Noise	en	10Hz ≤ f ≤ 1kHz			15		μV <sub>RMS</sub>
Turn-On Settling Time	t <sub>ON</sub>	V <sub>OUT</sub> settles to ±0.0		600		μs	
Temperature Hysteresis		(Note 3)			150		ppm
Long-Term Stability		∆t = 1000hr			40		ppm

## High-Precision, Low-Dropout SOT23 Series Voltage Reference

#### **Electrical Characteristics—V<sub>OUT</sub> = 4.096V**

 $(V_{IN} = 5V, C_{OUT} = 0.1 \mu F, I_{OUT} = 0A, T_A = T_{MIN}$  to  $T_{MAX}$ , unless otherwise specified. Typical values are at  $T_A = +25^{\circ}C$ .) (Note 1)

PARAMETER	SYMBOL	COND	ITIONS	MIN	TYP	MAX	UNITS
			MAX6033A	4.0943	4.0960	4.0977	v
Output Voltage	V <sub>OUT</sub>	T <sub>A</sub> = +25°C	MAX6033B	4.0878	4.0960	4.1042	
			MAX6033C	4.0919	4.0960	4.1001	1
			MAX6033A	-0.04		+0.04	
Output-Voltage Accuracy		T <sub>A</sub> = +25°C	MAX6033B	-0.2		+0.2	%
			MAX6033C	-0.1		+0.1	
		MAX6022A	$T_A = -40^{\circ}C \text{ to } +85^{\circ}C$		1.5	7	
		MAX0035A	$T_{A} = -40^{\circ}C \text{ to } +125^{\circ}C$		2.5	10	
Output-Voltage Temperature	TOV	MAYGO22P	$T_{A} = -40^{\circ}C \text{ to } +85^{\circ}C$		3	10	nnm/°C
Coefficient	TCVOUT	WIAX0033B	$T_{A} = -40^{\circ}C \text{ to } +125^{\circ}C$		7	15	
		MAX6022C	$T_{A} = -40^{\circ}C \text{ to } +85^{\circ}C$		6	20	]
		$T_{A} = -40^{\circ}C \text{ to } +125^{\circ}C$			10	40	
Input-Voltage Range	V <sub>IN</sub>	Inferred from line regu	Inferred from line regulation specification			12.6	V
Line Degulation	$\Delta V_{OUT} / \Delta V_{IN}$	$4.3V \le V_{\rm IN} \le 12.6V \qquad \boxed{1}$	T <sub>A</sub> = +25°C		6	30	- μV/V
			$T_A = -40^{\circ}C \text{ to } +125^{\circ}C$			60	
Load Regulation	ΔV <sub>OUT</sub> / ΔΙ <sub>ΟUT</sub>	-100µA ≤ I <sub>OUT</sub> ≤ 15mA	T <sub>A</sub> = +25°C		0.002	0.08	mV/mA
			$T_A = -40^{\circ}C \text{ to } +125^{\circ}C$			0.15	
Dropout Voltage (Note 2)	Vac	$\Delta V_{0} = -0.1\%$	I <sub>OUT</sub> = 1mA		0.02	0.2	V
	v DO		I <sub>OUT</sub> = 10mA		0.2	0.4	v
		T <sub>A</sub> = +25°C			40	60	
Quiescent Supply Current	I <sub>IN</sub>	T <sub>A</sub> = -40°C to +85°C				75	μA
		T <sub>A</sub> = -40°C to +125°C	<u>,</u>			85	
Output Short-Circuit Current	100	V <sub>OUT</sub> = 0V			90		mΔ
	isc	V <sub>OUT</sub> = V <sub>IN</sub>			-2		
Output-Voltage Noise	en	0.1Hz ≤ f ≤ 10Hz			32		μV <sub>P-P</sub>
	en	10Hz ≤ f ≤ 1kHz			22		μV <sub>RMS</sub>
Turn-On Settling Time	t <sub>ON</sub>	V <sub>OUT</sub> settles to ±0.01		800		μs	
Temperature Hysteresis		(Note 3)			150		ppm
Long-Term Stability		∆t = 1000hr			40		ppm

## High-Precision, Low-Dropout SOT23 Series Voltage Reference

## **Electrical Characteristics—V<sub>OUT</sub> = 5.000V**

 $(V_{IN} = 5.5V, C_{OUT} = 0.1\mu$ F,  $I_{OUT} = 0A$ ,  $T_A = T_{MIN}$  to  $T_{MAX}$ , unless otherwise specified. Typical values are at  $T_A = +25^{\circ}$ C.) (Note 1)

PARAMETER	SYMBOL	CONE	DITIONS	MIN	TYP	MAX	UNITS	
	V <sub>OUT</sub>		MAX6033A	4.9980	5.000	5.0020		
Output Voltage		T <sub>A</sub> = +25°C	MAX6033B	4.9900	5.000	5.0100	V	
			MAX6033C	4.9950	5.000	5.0050		
			MAX6033A	-0.04		+0.04		
Output-Voltage Accuracy		T <sub>A</sub> = +25°C	MAX6033B	-0.2		+0.2	%	
			MAX6033C	-0.1		+0.1		
		MANCOOOA	$T_A = -40^{\circ}C \text{ to } +85^{\circ}C$		1.5	7		
		WAX0033A	$T_{A} = -40^{\circ}C \text{ to } +125^{\circ}C$		2.5	10		
Output-Voltage Temperature	TOV	MAYGO22P	$T_{A} = -40^{\circ}C \text{ to } +85^{\circ}C$		3	10	nnm/°C	
Coefficient	TOVOUT	WAX0033B	$T_{A} = -40^{\circ}C \text{ to } +125^{\circ}C$		7	15	ppin/ C	
		MAXCODDO	$T_A = -40^{\circ}C \text{ to } +85^{\circ}C$		6	20	1	
		$T_A = -40^{\circ}C \text{ to } +125^{\circ}C$			10	40		
Input Voltage Range	V <sub>IN</sub>	Inferred from line regu	ulation specification	5.2		12.6	V	
Line Regulation	ΔV <sub>OUT</sub> / ΔV <sub>IN</sub>	5.2V ≤ V <sub>IN</sub> ≤ 12.6V	T <sub>A</sub> = +25°C		7	50	μV/V	
			$T_A = -40^{\circ}C \text{ to } +125^{\circ}C$			100		
Load Regulation	ΔV <sub>OUT</sub> / ΔΙ <sub>OUT</sub>	-100µA ≤ I <sub>OUT</sub> ≤ 15mA	T <sub>A</sub> = +25°C		0.003	0.1	mV/mA	
			$T_A = -40^{\circ}C \text{ to } +125^{\circ}C$			0.2		
Dropout Voltage (Note 2)	\/	$(1)^{-1} = -0.19^{-1}$	I <sub>OUT</sub> = 1mA		0.02	0.2	V	
	v DO	2V007 - 0.1%	I <sub>OUT</sub> = 10mA		0.2	0.4	v	
		T <sub>A</sub> = +25°C			40	60		
Quiescent Supply Current	I <sub>IN</sub>	T <sub>A</sub> = -40°C to +85°C				75	μA	
		$T_A = -40^{\circ}C$ to $+125^{\circ}C$				85		
Output Short Circuit Current		V <sub>OUT</sub> = 0V			90		m۸	
	SC	V <sub>OUT</sub> = V <sub>IN</sub>			-2	-2		
Output Voltage Noise	on	0.1Hz ≤ f ≤ 10Hz			40		μV <sub>P-P</sub>	
Output-voltage Noise	en	10Hz ≤ f ≤ 1kHz			26		μV <sub>RMS</sub>	
Turn-On Settling Time	t <sub>ON</sub>	V <sub>OUT</sub> settles to ±0.01		1000		μs		
Temperature Hysteresis		(Note 3)			150		ppm	
Long-Term Stability		∆t = 1000hr			40		ppm	

Note 1: MAX6033 is 100% production tested at  $T_A = +25^{\circ}C$  and is guaranteed by design for  $T_A = T_{MIN}$  to  $T_{MAX}$  as specified. Note 2: Dropout Voltage is the minimum input voltage at which  $V_{OUT}$  changes  $\leq 0.1\%$  from  $V_{OUT}$  at  $V_{IN} = 5V$  ( $V_{IN} = 5.5V$  to  $V_{OUT} = 5V$ ). Note 3: Temperature Hysteresis is defined as the change in +25°C output voltage before and after cycling the device from  $T_{MAX}$  to  $T_{MIN}$ .

## High-Precision, Low-Dropout SOT23 Series Voltage Reference

#### **Typical Operating Characteristics**

(V<sub>IN</sub> = 5V, C<sub>OUT</sub> =  $0.1\mu$ F, I<sub>OUT</sub> = 0A, T<sub>A</sub> = +25°C, unless otherwise specified.) (Note 4)









(Vout = 2.5V) +85° Н T<sub>A</sub> = +25°C 40°C 18 20 8 10 12 14 16 OUTPUT CURRENT (mA)

-40 PSRR (dB)

-50

-60

-70

-80

-90

-100

0.001 0.01 0.1 1 10 100 1000



**DROPOUT VOLTAGE vs. OUTPUT CURRENT** 



SUPPLY CURRENT vs. INPUT VOLTAGE (V<sub>OUT</sub> = 2.5V) 150 135 120 SUPPLY CURRENT (mA) 105 90 75 125 +85°C 60 45 30 15 0 0 1 2 3 4 5 6 7 8 9 10 11 12 13 INPUT VOLTAGE (V)

FREQUENCY (kHz)

## High-Precision, Low-Dropout SOT23 Series Voltage Reference

#### **Typical Operating Characteristics (continued)**

(V<sub>IN</sub> = 5V, C<sub>OUT</sub> =  $0.1\mu$ F, I<sub>OUT</sub> = 0A, T<sub>A</sub> = +25°C, unless otherwise specified.) (Note 4)















## High-Precision, Low-Dropout SOT23 Series Voltage Reference

#### **Typical Operating Characteristics (continued)**

(V<sub>IN</sub> = 5V, C<sub>OUT</sub> = 0.1 $\mu$ F, I<sub>OUT</sub> = 0A, T<sub>A</sub> = +25°C, unless otherwise specified.) (Note 4)



Note 4: Many of the MAX6033 Typical Operating Characteristics are similar. The extremes of these characteristics are found in the MAX6033 (2.5V output) and the MAX6033 (5V output). The Typical Operating Characteristics of the remainder of the MAX6033 family typically lie between these two extremes and can be estimated based on their output voltages.

### High-Precision, Low-Dropout SOT23 Series Voltage Reference

#### **Pin Description**

PIN	NAME	FUNCTION
1, 3	I.C.	Internally Connected. Do not connect externally.
2	GND	Ground
4	IN	Positive Power-Supply Input
5	OUTF	Voltage Reference Force Output. Short OUTF to OUTS as close to the device as possible. Bypass OUTF with $0.1\mu$ F (min) capacitor to GND.
6	OUTS	Voltage Reference Sense

#### **Applications Information**

#### **Bypassing/Load Capacitance**

For the best line-transient performance, decouple the input with a  $0.1\mu F$  ceramic capacitor as shown in the Typical Operating Circuit. Place the capacitor as close to IN as possible. When transient performance is less important, no capacitor is necessary.

The MAX6033 family requires a minimum output capacitance of  $0.1\mu$ F for stability and is stable with capacitive loads (including the bypass capacitance) of up to  $100\mu$ F. In applications where the load or the supply can experience step changes, a larger output capacitor reduces the amount of overshoot (undershoot) and improves the circuit's transient response. Place output capacitors as close to the device as possible.

#### **Supply Current**

The quiescent supply current of the MAX6033 series reference is typically  $40\mu$ A and is virtually independent of the supply voltage. In the MAX6033 family, the load current is drawn from the input only when required, so supply current is not wasted and efficiency is maximized at all input voltages. This improved efficiency reduces power dissipation and extends battery life.

When the supply voltage is below the minimum-specified input voltage (as during turn-on), the devices can draw up to  $150\mu$ A beyond the nominal supply current. The input voltage source must be capable of providing this current to ensure reliable turn-on.

#### **Output-Voltage Hysteresis**

Output voltage hysteresis is the change in the output voltage at  $T_A = +25^{\circ}C$  before and after the device is cycled over its entire operating temperature range. Hysteresis is caused by differential package stress appearing across



Figure 1. Precision Current Source



Figure 2. 14-Bit High-Resolution DAC and Positive Reference from a Single 3V Supply

the bandgap core transistors. The typical temperature hysteresis value is 150ppm.

#### **Turn-On Time**

These devices typically turn on and settle to within 0.01% of their final value in >1 $\mu$ s. The turn-on time can increase up to 2ms with the device operating at the minimum drop-out voltage and the maximum load.

#### **Precision Current Source**

Figure 1 shows a typical circuit providing a precision current source. The OUTF output provides the bias current for the bipolar transistor. OUTS senses the voltage across the resistor and adjusts the current sourced by OUTF accordingly.

# High-Resolution DAC and Reference from Single Supply

Figure 2 shows a typical circuit providing both the power supply and reference for a high-resolution DAC. A MAX6033 with 2.5V output provides the reference voltage for the DAC.

## High-Precision, Low-Dropout SOT23 Series Voltage Reference

## **Ordering Information/Selector Guide (continued)**

PART	OUTPUT VOLTAGE (V)	TEMP COEFF (PPM/°C)	INITIAL ACCURACY (%)	TOP MARK
MAX6033AAUT30-T	3.000	10	0.04	ABDG
MAX6033BAUT30+T	3.000	15	0.20	+AAXM
MAX6033AAUT30#TG16	3.000	10	0.04	#ACNF
MAX6033BAUT30-T	3.000	15	0.20	AAXM
MAX6033BAUT30+T	3.000	15	0.20	+AAXM
MAX6033BAUT30#TG16	3.000	15	0.20	#ACNG
MAX6033CAUT30-T	3.000	40	0.10	AAXI
MAX6033CAUT30+T	3.000	40	0.10	+AAXI
MAX6033CAUT30#TG16	3.000	40	0.10	#ACNH
MAX6033AAUT41-T	4.096	10	0.04	ABDH
MAX6033BAUT41+T	4.096	15	0.20	+AAXN
MAX6033AAUT41#TG16	4.096	10	0.04	#ACNI
MAX6033BAUT41-T	4.096	15	0.20	AAXN
MAX6033BAUT41#TG16	4.096	15	0.20	#ACLG
MAX6033CAUT41-T	4.096	40	0.10	AAXJ
MAX6033CAUT41+T	4.096	40	0.10	+AAXJ
MAX6033CAUT41#TG16	4.096	40	0.10	#ACNJ
MAX6033AAUT50-T	5.000	10	0.04	ABDI
MAX6033BAUT50+T	5.000	15	0.20	+AAXO
MAX6033AAUT50#TG16	5.000	10	0.04	#ACNK
MAX6033BAUT50-T	5.000	15	0.20	AAXO
MAX6033BAUT50#TG16	5.000	15	0.20	#ACNL
MAX6033CAUT50-T	5.000	40	0.10	AAXK
MAX6033CAUT50+T	5.000	40	0.10	+AAXK
MAX6033CAUT50#TG16	5.000	40	0.10	#ACNM

#Denotes a RoHS-compliant device that may include lead(Pb) that is exempt under the RoHS requirements.

T = Tape and reel.

High-Precision, Low-Dropout SOT23 Series Voltage Reference

## **Typical Operating Circuit**



## **Chip Information**

PROCESS: BICMOS

## High-Precision, Low-Dropout SOT23 Series Voltage Reference

#### **Revision History**

REVISION NUMBER	REVISION DATE	DESCRIPTION	PAGES CHANGED
2	6/03	Various changes	—
3	3/12	Replaced Ordering Information table/Selector Guide, updated packaging information	1, 10
4	2/19	Updated Ordering Information, Absolute Maximum Ratings, and Package Thermal Characteristics	1, 2, 10
5	3/19	Updated Ordering Information	1, 11
6	8/19	Updated Ordering Information	11

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