ABSOLUTE MAXIMUM RATINGS GL05T				
PARAMETER	**TEST CONDITIONS**	**SYMBOL**	**VALUE**	**UNIT**
Peak pulse current	8/20 µs	I_{PPM}	17	A
Peak pulse power	8/20 µs waveform	P_{PP}	300	W
ESD immunity	Contact discharge acc. IEC 61000-4-2; 10 pulses	V_{ESD}	± 8	kV
	Air discharge acc. IEC 61000-4-2; 10 pulses		± 15	kV
Operating temperature	Junction temperature	T_J	- 55 to + 125	°C
Storage temperature		T_{STG}	- 55 to + 150	°C

ABSOLUTE MAXIMUM RATINGS GL12T				
PARAMETER	**TEST CONDITIONS**	**SYMBOL**	**VALUE**	**UNIT**
Peak pulse current	8/20 µs	I_{PPM}	12	A
Peak pulse power	8/20 µs waveform	P_{PP}	300	W
ESD immunity	Contact discharge acc. IEC 61000-4-2; 10 pulses	V_{ESD}	± 8	kV
	Air discharge acc. IEC 61000-4-2; 10 pulses		± 15	kV
Operating temperature	Junction temperature	T_J	- 55 to + 125	°C
Storage temperature		T_{STG}	- 55 to + 150	°C

ABSOLUTE MAXIMUM RATINGS GL15T				
PARAMETER	**TEST CONDITIONS**	**SYMBOL**	**VALUE**	**UNIT**
Peak pulse current	8/20 µs	I_{PPM}	10	A
Peak pulse power	8/20 µs waveform	P_{PP}	300	W
ESD immunity	Contact discharge acc. IEC 61000-4-2; 10 pulses	V_{ESD}	± 8	kV
	Air discharge acc. IEC 61000-4-2; 10 pulses		± 15	kV
Operating temperature	Junction temperature	T_J	- 55 to + 125	°C
Storage temperature		T_{STG}	- 55 to + 150	°C

ABSOLUTE MAXIMUM RATINGS GL24T				
PARAMETER	**TEST CONDITIONS**	**SYMBOL**	**VALUE**	**UNIT**
Peak pulse current	8/20 µs	I_{PPM}	5	A
Peak pulse power	8/20 µs waveform	P_{PP}	300	W
ESD immunity	Contact discharge acc. IEC 61000-4-2; 10 pulses	V_{ESD}	± 8	kV
	Air discharge acc. IEC 61000-4-2; 10 pulses		± 15	kV
Operating temperature	Junction temperature	T_J	- 55 to + 125	°C
Storage temperature		T_{STG}	- 55 to + 150	°C

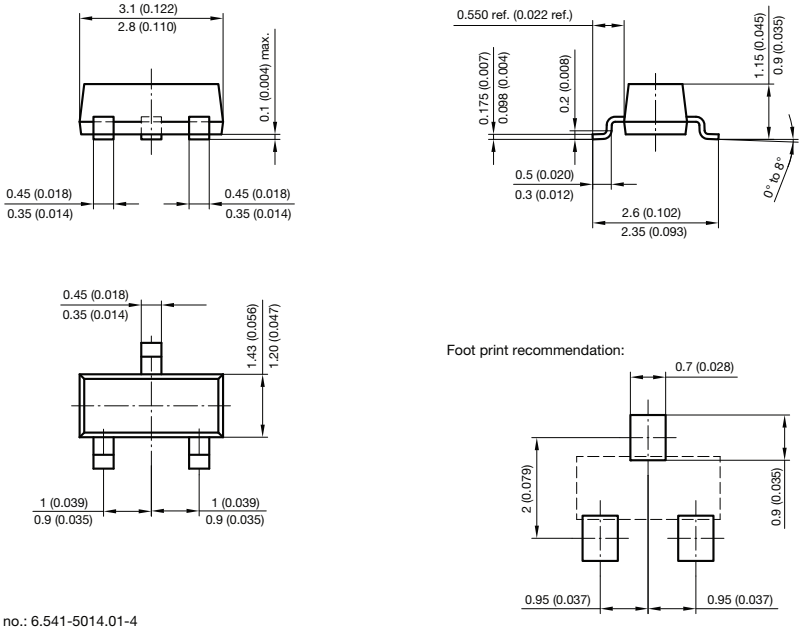
ELECTRICAL CHARACTERISTICS GL05T						
PARAMETER	**TEST CONDITIONS/REMARKS**	**SYMBOL**	**MIN.**	**TYP.**	**MAX.**	**UNIT**
Protection paths	Number of lines which can be protected	$N_{channel}$	-	-	-	lines
Reverse working voltage	at I_R = 1 µA	V_{RWM}	5	-	-	V
Reverse current	at V_R = 5 V	I_R	-	-	20	µA
Reverse breakdown voltage	at I_R = 1 mA	V_{BR}	6	-	-	V
Reverse clamping voltage	at I_{PP} = 1 A	V_C	-	-	9.8	V
	at I_{PP} = 5 A		-	-	11	V
Capacitance	at V_R = 0 V; f = 1 MHz	C_D	-	5	-	pF

ELECTRICAL CHARACTERISTICS GL12T						
PARAMETER	**TEST CONDITIONS/REMARKS**	**SYMBOL**	**MIN.**	**TYP.**	**MAX.**	**UNIT**
Protection paths	Number of lines which can be protected	$N_{channel}$	-	-	-	lines
Reverse working voltage	at I_R = 1 µA	V_{RWM}	12	-	-	V
Reverse current	at V_R = 5 V	I_R	-	-	1	µA
Reverse breakdown voltage	at I_R = 1 mA	V_{BR}	13.3	-	-	V
Reverse clamping voltage	at I_{PP} = 1 A	V_C	-	-	19	V
	at I_{PP} = 5 A		-	-	24	V
Capacitance	at V_R = 0 V; f = 1 MHz	C_D	-	5	-	pF

ELECTRICAL CHARACTERISTICS GL15T						
PARAMETER	**TEST CONDITIONS/REMARKS**	**SYMBOL**	**MIN.**	**TYP.**	**MAX.**	**UNIT**
Protection paths	Number of lines which can be protected	$N_{channel}$	-	-	-	lines
Reverse working voltage	at I_R = 1 µA	V_{RWM}	15	-	-	V
Reverse current	at V_R = 5 V	I_R	-	-	1	µA
Reverse breakdown voltage	at I_R = 1 mA	V_{BR}	16.7	-	-	V
Reverse clamping voltage	at I_{PP} = 1 A	V_C	-	-	24	V
	at I_{PP} = 5 A		-	-	33	V
Capacitance	at V_R = 0 V; f = 1 MHz	C_D	-	5	-	pF

ELECTRICAL CHARACTERISTICS GL24T						
PARAMETER	**TEST CONDITIONS/REMARKS**	**SYMBOL**	**MIN.**	**TYP.**	**MAX.**	**UNIT**
Protection paths	Number of lines which can be protected	$N_{channel}$	-	-	-	lines
Reverse working voltage	at I_R = 1 µA	V_{RWM}	24	-	-	V
Reverse current	at V_R = 5 V	I_R	-	-	1	µA
Reverse breakdown voltage	at I_R = 1 mA	V_{BR}	26.7	-	-	V
Reverse clamping voltage	at I_{PP} = 1 A	V_C	-	-	43	V
	at I_{PP} = 5 A		-	-	55	V
Capacitance	at V_R = 0 V; f = 1 MHz	C_D	-	5	-	pF

PACKAGE DIMENSIONS in millimeters (inches): **SOT-23**



Document no.: 6.541-5014.01-4
Rev. 8 - Date: 23.Sept.2009
17418

Disclaimer

All product specifications and data are subject to change without notice.

Vishay Intertechnology, Inc., its affiliates, agents, and employees, and all persons acting on its or their behalf (collectively, “Vishay”), disclaim any and all liability for any errors, inaccuracies or incompleteness contained herein or in any other disclosure relating to any product.

Vishay disclaims any and all liability arising out of the use or application of any product described herein or of any information provided herein to the maximum extent permitted by law. The product specifications do not expand or otherwise modify Vishay’s terms and conditions of purchase, including but not limited to the warranty expressed therein, which apply to these products.

No license, express or implied, by estoppel or otherwise, to any intellectual property rights is granted by this document or by any conduct of Vishay.

The products shown herein are not designed for use in medical, life-saving, or life-sustaining applications unless otherwise expressly indicated. Customers using or selling Vishay products not expressly indicated for use in such applications do so entirely at their own risk and agree to fully indemnify Vishay for any damages arising or resulting from such use or sale. Please contact authorized Vishay personnel to obtain written terms and conditions regarding products designed for such applications.

Product names and markings noted herein may be trademarks of their respective owners.