

FEATURES

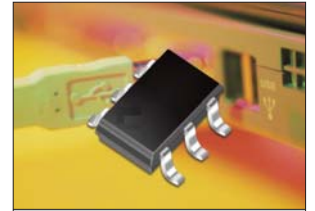
- > 120 Watts Peak Pulse Power per Line (tp=8/20μs)
- > Protects Two Unidirectional I/O Lines
- > SOT-23-6 package
- > Working voltages : 5.0 V
- > Low leakage current

APPLICATIONS

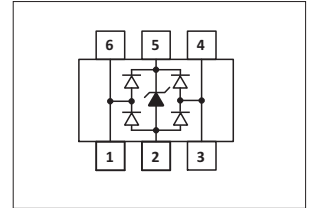
- > Ethernet Interface
- > Switchin Systems
- > Access Equipment
- > Central Office Equipment
- > Customer Premise Equipment
- > Microcontroller Input Protection

IEC COMPATIBILITY

- > IEC61000-4-2 (ESD) ±25kV (air), ±15kV (contact)
- > IEC61000-4-4 (EFT) 40A (5/50ns)



SOT-23-6 PACKAGE



PIN CONFIGURATIONS

MAXIMUM RATINGS AND CHARACTERISTICS Ratings at 25°C ambient temperature unless otherwise specified.

RATING	SYMBOL	VALUE	UNITS
Peak Pulse Power (tp=8/20μs waveform).	PPPM	120	Watts
Operating Temperature Range.	T _J	-55~+125	°C
Storage Temperature Range.	T _{STG}	-55~+150	°C

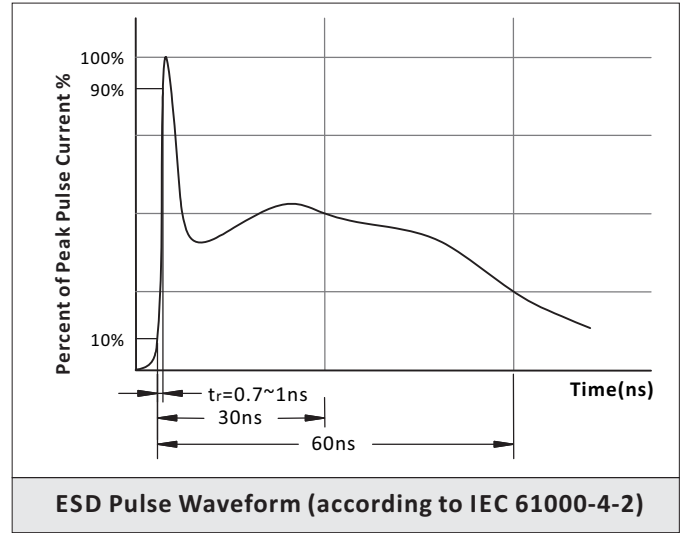
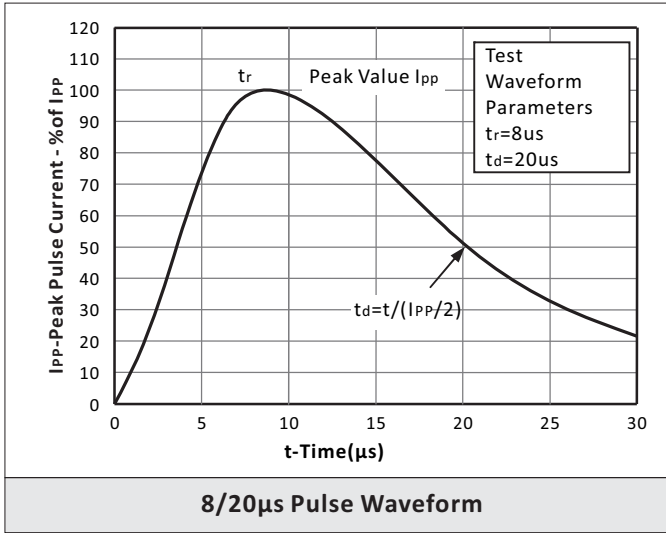
Stresses exceeding those listed in the Maximum Ratings table may damage the device. If any of these limits are exceeded, device functionality should not be assumed, damage may occur and reliability may be affected.

ELECTRICAL CHARACTERISTICS

Part Number	Device Marking Code	Reverse Stand-off Voltage Max. V _{RWM} (V)	Breakdown Voltage Min. V _{BR} (V)	Test Current I _T (mA)	Peak Pulse Current Max.@1A V _C (V)	Peak Pulse Current V _C (V) Max. @A	Junction Capacitance Typ. C _T (PF)	Reverse Leakage Max. I _R (μA)
SE26T12B5.0LB1	602	5.0	6.0	1	12	20 6.2	1	1

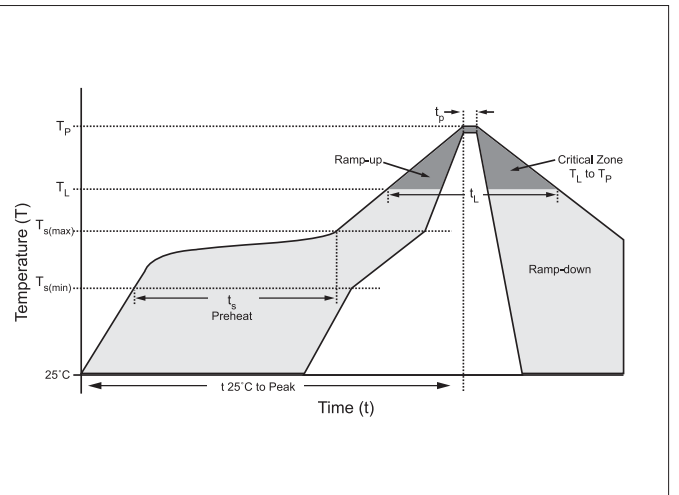


CHARACTERISTIC CURVES



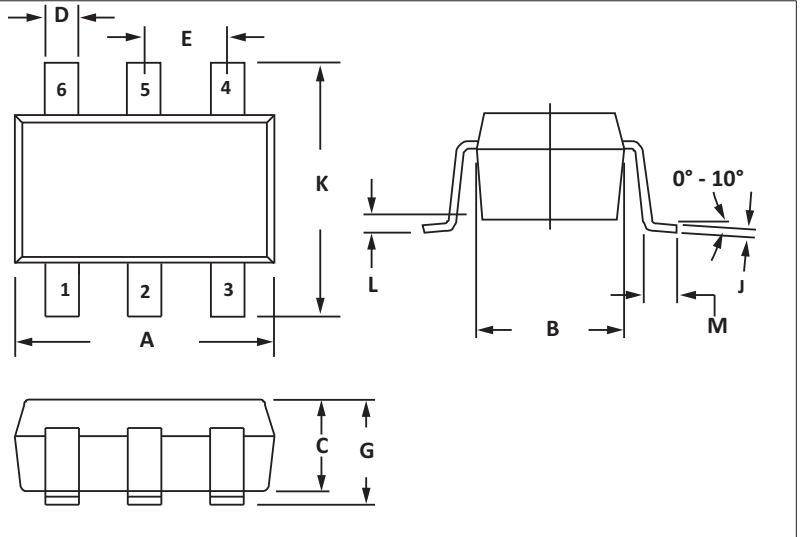
REFLOW PROFILE

Reflow Condition		Lead-free assembly
Pre Heat	Temperature Min (Ts(min))	150°C
	Temperature Max (Ts(max))	200°C
	Time (min to max) (ts)	60 – 180 secs
Average ramp up rate (Liquidus Temp (TL) to peak)		3°C/second max
Ts(max) to TL - Ramp-up Rate		3°C/second max
Reflow	Temperature (TL) (Liquidus)	217°C
	Time (min to max) (tl)	60 – 150 seconds
Peak Temperature (Tp)		260°C
Time within 5°C of actual peak Temperature (tp)		20 – 40 seconds
Ramp-down Rate		6°C/second max
Time 25°C to peak Temperature (Tp)		8 minutes Max.
Do not exceed		260°C



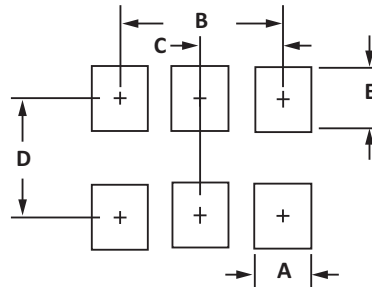
SOT-23-6 PACKAGE INFORMATION

OUTLINE DIMENSIONS				
DIM	MILLIMETERS		INCHES	
	MIN	MAX	MIN	MAX
A	2.80	3.05	0.110	0.120
B	1.50	1.75	0.059	0.070
C	0.90	1.30	0.036	0.051
D	0.25	0.50	0.010	0.020
E	0.85	1.05	0.033	0.040
G	0.90	1.45	0.036	0.057
J	0.09	0.20	0.003	0.008
K	2.60	3.00	0.102	0.118
L	0.0	0.15	0.0	0.006
M	0.30	0.60	0.012	0.024



RECOMMENDED PAD LAYOUT DIMENSIONS

PAD LAYOUT DIMENSIONS		
DIM	MILLIMETERS	INCHES
	NOMINAL	NOMINAL
A	0.70	0.028
B	1.90	0.074
C	0.95	0.037
D	2.40	0.094
E	1.00	0.039



ORDERING INFORMATION

Part Number	Component Package	QTY/Reel	Reel Size
SE26T12B5.0LB1	SOT-23-6	3000PCS	7"



CONTACT US

Headquarters

No.3387 Shendu Road Pujiang I&E Park Minhang Shanghai
China

Hotline

400-021-5756

Web

[Http://www.semiware.com.cn](http://www.semiware.com.cn)

By Telephone

General: 86-21-3463-7172

Sales: 86-21-3463-7345

Technical Support: 86-21-34637172-8811

By Fax

General: 86-21-3965-0654

Sales: 86-21-3463-7458

By Email

General: china@semiware.com.cn

Sales: sales33@semiware.com.cn

Technical Support: fae03@semiware.com.cn

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