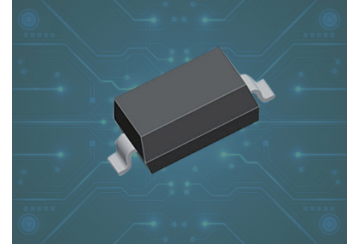


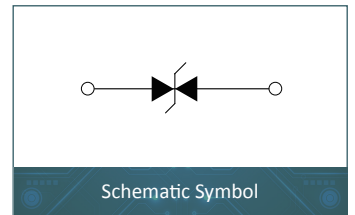
1. FEATURES

- 350W Peak Pulse Power per Line (tp=8/20µs)
- Protects one I/O or power line
- Low Clamping Voltage
- Working Voltages : 24.0V
- ROHS Compliant



2. APPLICATIONS

- Cell Phone Handsets and Accessories
- Microprocessor based equipment
- Personal Digital Assistants (PDA'S)
- Notebooks,Desktops,and Servers
- Portable Instrumentation
- Peripherals
- Pagers



3. IEC COMPATIBILITY

- IEC61000-4-2 (ESD) ±15kV (air), ±8kV (contact)
- IEC61000-4-4 (EFT) 40A (5/50ns)

4. THERMAL CONSIDERATIONS

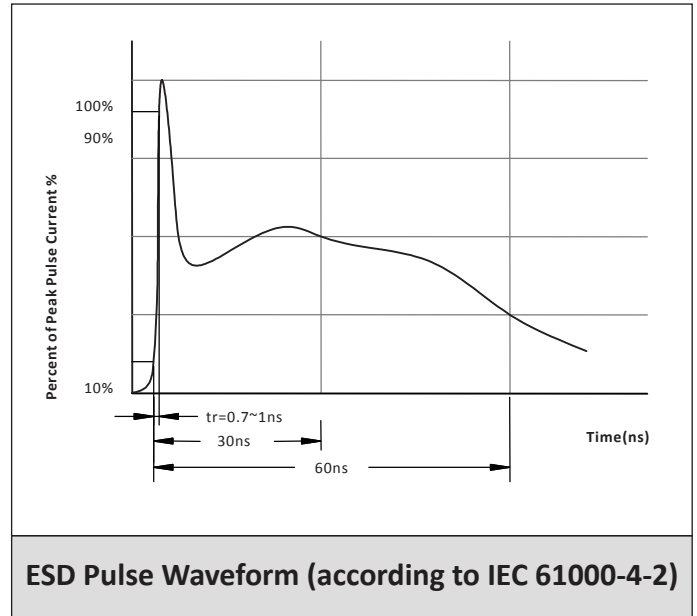
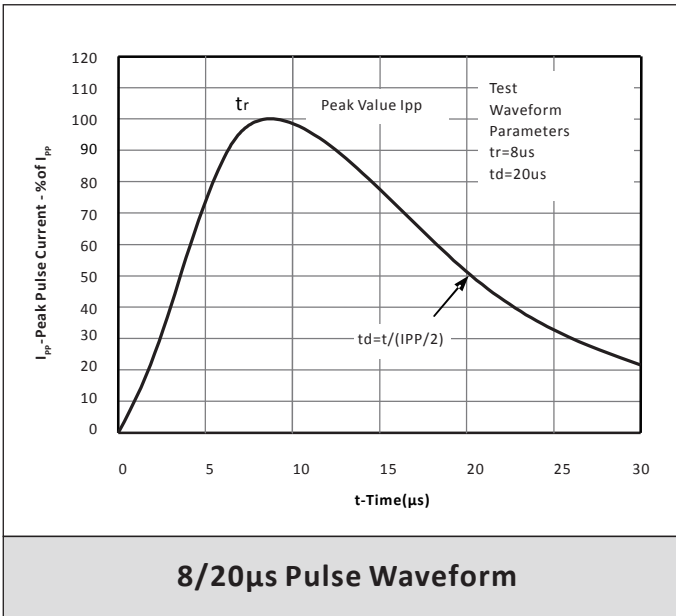
Symbol	Parameter	Value	Unit
P _{PP}	Peak Pulse Power (tp=8/20µs waveform)	350	Watts
T _J	Operating Temperature Range	-55 to +150	°C
T _{STG}	Storage Temperature Range	-55 to +150	°C

5. ELECTRICAL CHARACTERISTICS

Part Number	Device Marking Code	V _{RWM}	V _{BR}	I _T	V _{C@1A}	V _C		I _R	C _T
		Max.(V)	Min.(V)	(mA)	Max.(V)	Max.(V)	@A	Max.(µA)	Max.(pF)
SESD24C	2H	24.0	26.7	1.0	43.0	52.0	7.0	1.0	50.0

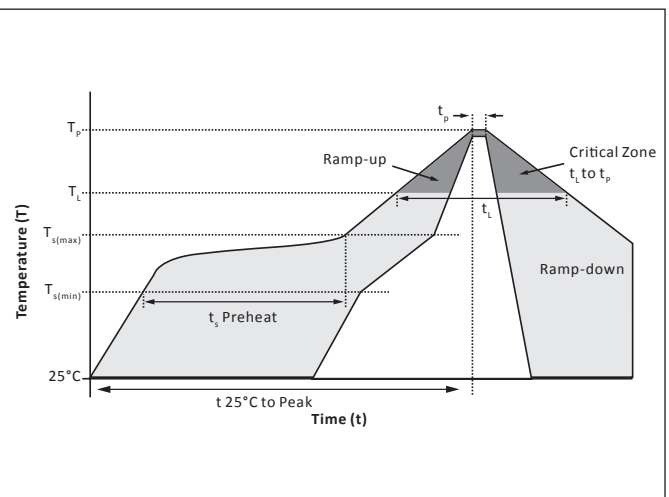


6. CHARACTERISTIC CURVES



7. SOLDERING PARAMETERS

Reflow Condition		Lead-free assembly
Pre Heat	Temperature Max ($T_{s(min)}$)	150°C
	Temperature Max ($T_{s(max)}$)	200°C
	Time (min to max) (t_s)	60 – 180 secs
Average ramp up rate (Liquidus Temp (T_L) to peak)		3°C/second max
$T_{s(max)}$ to T_L - Ramp-up Rate		3°C/second max
Reflow	Temperature (T_L) (Liquidus)	217°C
	Time (min to max) (t_r)	60 – 150 seconds
Peak Temperature (T_p)		260°C
Time within 5°C of actual peak Temperature (t_p)		20 – 40 seconds
Ramp-down Rate		6°C/second max
Time 25°C to peak Temperature (T_p)		8 minutes max.
Do not exceed		260°C



8. SOD-323 PACKAGE INFORMATION

DIM	Millimeters		Inches	
	Min.	Max.	Min.	Max.
A	1.60	1.90	0.063	0.075
B	1.15	1.45	0.045	0.057
C	2.39	2.70	0.094	0.106
D	0.80	1.10	0.031	0.043
E	0.25	0.40	0.010	0.016
F	0.10	0.20	0.004	0.008
H	-	0.10	-	0.004
L	0.20	-	0.008	-

9. RECOMMENDED PAD LAYOUT DIMENSIONS

item	Millimeters		Inches	
	Min	Max	Min	Max
A	2.87	3.12	0.113	0.123
B	0.66	0.91	0.026	0.036
C	0.66	0.91	0.026	0.036

10. ORDERING INFORMATION

Part Number	Component Package	QTY/Reel	Reel Size
SESD24C	SOD-323	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](http://www.semiware.com)

By Telephone

General:86-21-3463-7172

Sales:86-21-3463-7345

Technical Support:86-21-3463-7654

By Fax

General:86-21-3965-0654

Sales:86-21-3463-7458

By Email

General:china@semiware.com

Sales:sales@semiware.com

Technical Support:fae@semiware.com

By QR Code



Website



Wechat

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