



Features

- Low profile package
- Ideal for automated placement
- Ultrafast reverse recovery time
- Low power losses, high efficiency
- Low forward voltage drop
- High surge capability
- High Temperature Soldering: 260°C/10 seconds at terminals

Specifications

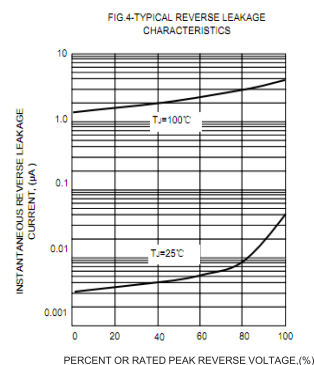
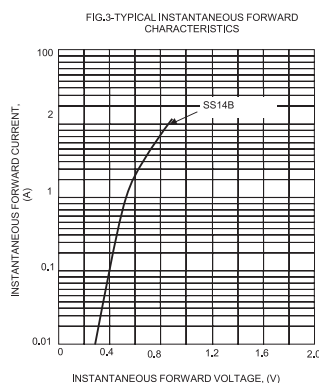
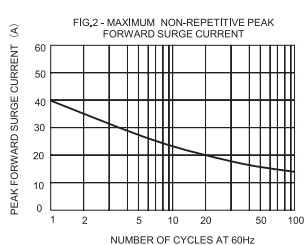
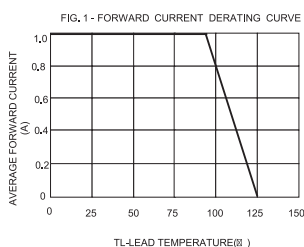
Case : JEDEC SMB molded plastic body over passivated chip
 Terminals : Solder plated, solderable per J-STD-002B and JESD22-B102D
 Polarity : Laser band denotes cathode

Maximum Ratings and Thermal Characteristics and Electrical Characteristics

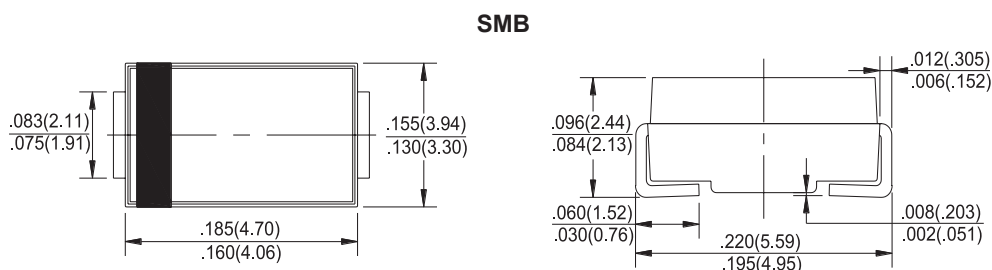
(TA = 25 °C unless otherwise noted)

Characteristics	Symbol	Values	Unit
Maximum repetitive peak reverse voltage	VRRM	40	V
Maximum RMS voltage	VRMS	28	
Maximum DC blocking voltage	V DC	40	
Maximum average forward rectified current	IF(AV)	1	A
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load	IFSM	40	
Maximum instantaneous forward voltage at 1A	VF	0.55	V
Maximum DC reverse current TA= 25°C at Rated DC blocking voltage TA= 100°C	IR	0.5 5	mA
Thermal resistance from junction to Lead	RθJL	30	°C/W
Operating junction and storage temperature range	TJ, TSTG	-65 to + 125	°C

Rating and Characteristic Curves



Diagram



Part Number Table

Description	Part Number
Schottky Diode, 1A, 40V, SMB	SS14B

Dimensions : Inches (Millimetres)

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