

Features

- Average Forward Current:I_{F(AV)}=3A
- Polarity: Color band denotes cathode

Package Marking and Ordering Information

Product ID	Pack	Marking	Qty(PCS)
HS3MB13F	SMB	S3M	3000





Maximum Ratings (Ta=25 unless otherwise noted)

Single phase half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

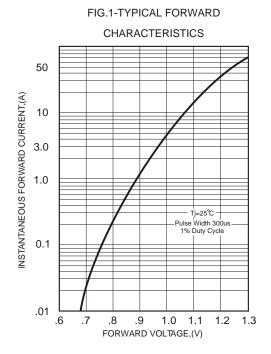
Type Number	S3M	Units
Maximum Recurrent Peak Reverse Voltage	1000	V
Maximum RMS Voltage	700	V
Maximum DC Blocking Voltage	1000	
Maximum Average Forward Rectified Current At TL=75℃	3.0	А
Peak Forward Surge Current, 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	100	А
Maximum Instantaneous Forward Voltage at 3.0A	1.10	V
Maximum DC Reverse Current Ta=25°C	5.0	μА
at Rated DC Blocking Voltage Ta=125°C	250	μА
Typical Junction Capacitance (Note1)	60	pF
Typical Thermal Resistance RqJL (Note 2)	13	°C/W
Operating and Storage Temperature Range Тл, Тsтс	-65—+150	Ĉ

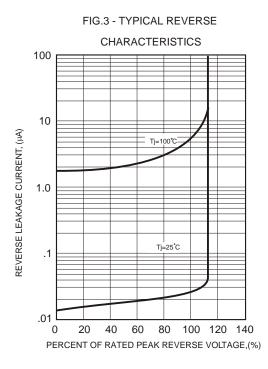
NOTES

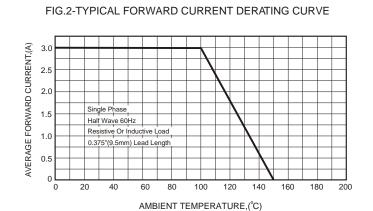
- 1. Measured at 1MHz and applied reverse voltage of 4.0V D.C.
- 2. Thermal Resistance Junction to Lead.

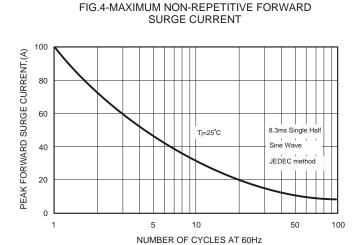


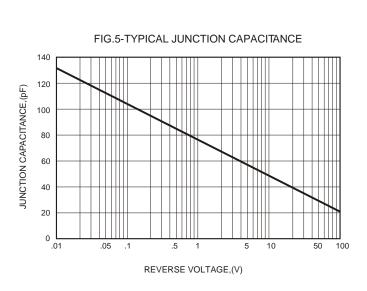
Typical Characteristics





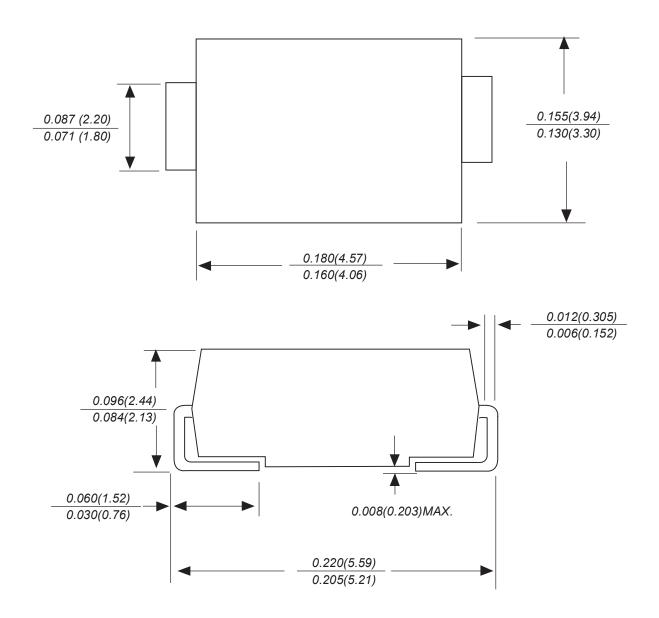








SMB Package Outline Dimensions



Dimensions in inches and (millimeters)



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