

## **FEATURES**

- Average Forward Current:I<sub>F(AV)</sub>=3A
- Polarity: Color band denotes cathode



## **SMB**

# Package Marking and Ordering Information

Product ID	Pack	Marking	Qty(PCS)
S3M	SMB	S3MB	3000



# MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating 25°C ambient temperature uniess otherwies specified. Single phase half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

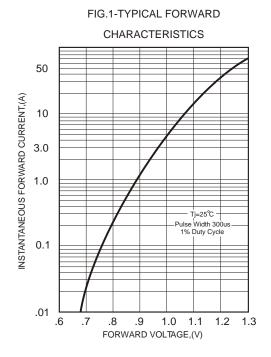
TYPE NUMBER	S3M	UNITS
Maximum Recurrent Peak Reverse Voltage	1000	V
Maximum RMS Voltage	700	V
Maximum DC Blocking Voltage	1000	
Maximum Average Forward Rectified Current		
At TL=75°C	3.0	А
Peak Forward Surge Current, 8.3 ms single half sine-wave		
superimposed on rated load (JEDEC method)	100	A
Maximum Instantaneous Forward Voltage at 3.0A	1.10	V
Maximum DC Reverse Current Ta=25℃	5.0	μА
at Rated DC Blocking Voltage Ta=125°C	250	μА
Typical Junction Capacitance (Note1)	60	pF
Typical Thermal Resistance R JL (Note 2)	13	°C/W
Operating and Storage Temperature Range T <sub>J</sub> , Ts <sub>TG</sub>	-65 <del> +</del> 150	°C

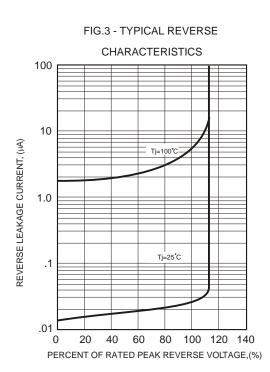
#### NOTES:

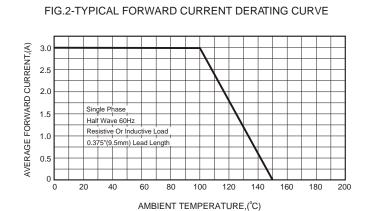
- 1. Measured at 1MHz and applied reverse voltage of 4.0V D.C.
- 2. Thermal Resistance Junction to Lead.

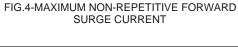


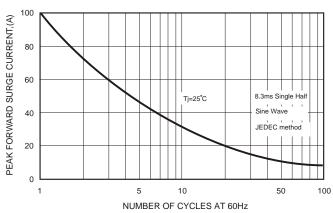
### **Typical Characteristics**

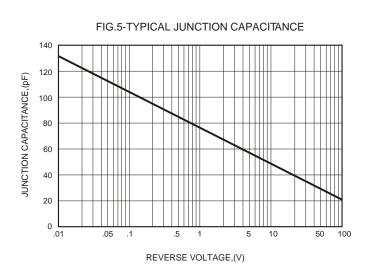






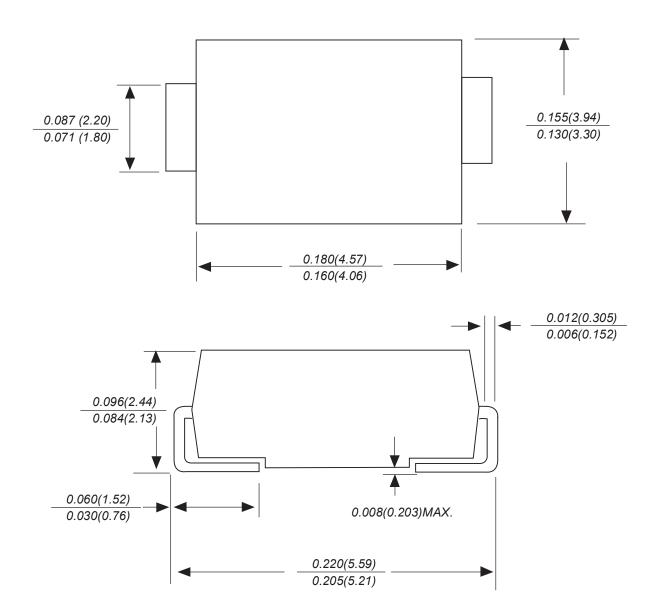








# **SMB Package Outline Dimensions**



Dimensions in inches and (millimeters)



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