

Features

- Average Forward Current: I_{F(AV)}=1A
- Polarity: Color band denotes cathode

Package Marking and Ordering Information

Product ID	Pack	Marking	Qty(PCS)			
FR101-FR107	SMA	RS1x	2000			

SMA

x: From A-M



Maxmim Ratings (Ta=25 unless otherwise noted)

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

Marking Number		RS1B	RS1D	RS1G	RS1J	RS1K	RS1M	Units
Maximum Recurrent Peak Reverse Voltage		100	200	400	600	800	1000	V
Maximum RMS Voltage		70	140	280	420	560	700	V
Maximum DC Blocking Voltage		100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current		•						
.375"(9.5mm) Lead Length at Ta=75°C		1.0						
Peak Forward Surge Current, 8.3 ms single half sine-wave								
superimposed on rated load (JEDEC method)		30						
Maximum Instantaneous Forward Voltage at 1.0A		1.3						
Maximum DC Reverse Current Ta=25°C	5.0						μΑ	
at Rated DC Blocking Voltage Ta=125℃	100						μA	
Maximum Reverse Recovery Time (Note 1)		150			250	500		ns
Typical Junction Capacitance (Note 1)		15						
Typical Thermal Resistance R JA (Note 2)		50						
Operating and Storage Temperature Range TJ, Tstg		-65-+150						

NOTES:

1. Measured at 1MHz and applied reverse voltage of 4.0V D.C.

2. Thermal Resistance from Junction to Ambient.



Typical Characteristics

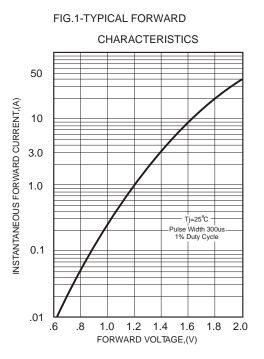
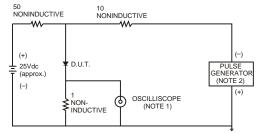
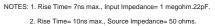


FIG.3- TEST CIRCUIT DIAGRAM AND REVERSE







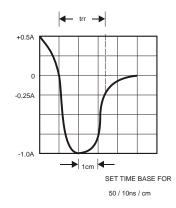
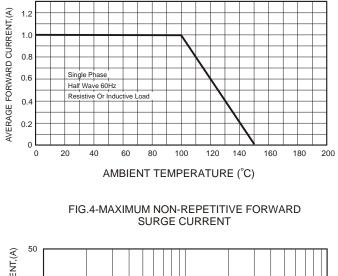
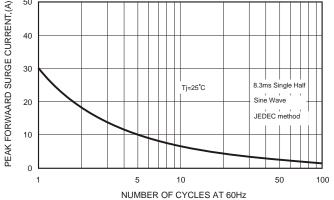
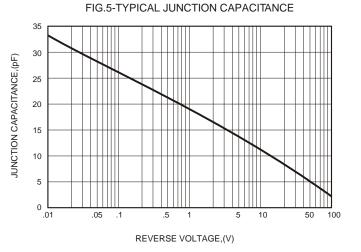


FIG.2-TYPICAL FORWARD CURRENT DERATING CURVE

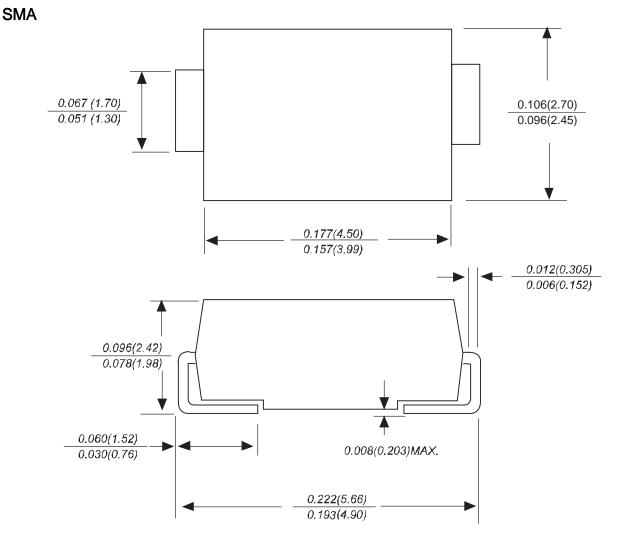








Package Outline Dimensions



Dimensions in inches and (millimeters)



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