Surface Mount Glass Passivated Rectifier





Features:

- · Glass passivated chip
- · For surface mounted applications
- Low reverse leakage current
- Low forward voltage drop
- High current capability
- · Plastic material has UL flammability classification 94V-0

Mechanical Data:

Case : Molded Plastic

Polarity : Indicated by cathode band Weight : 0.002 ounces, 0.053 grams

Mounting Position : Any

Reverse Voltage : 50 to 1000 Volts Forward Current : 1 Ampere

For capacitive load, derate current by 20%.

Maximum Ratings and Electrical Characteristics:

Rating at 25°C ambient temperature unless otherwise specified. Single phase, half wave, 60Hz, resistive or inductive load.

Type Number	Symbol	S1A	S1B	S1D	S1G	S1J	S1K	S1M	Unit
Max. Recurrent Peak Reverse Voltage	VRRM	50	100	200	400	600	800	1000	
Max. RMS Voltage	VRMS	35	70	140	280	420	560	700	V
Max. DC Blocking Voltage	VDC	50	100	200	400	600	800	1000	
Max. Average Forward Rectified Current TA= 50°C	I(AV)	1							
Peak Forward Surge Current, 8.3ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)	IFSM	30					A		
Peak Forward Voltage at 1.0A DC	VF				1.1				V
	lR	5 100					μΑ		
Typical Junction Capacitance (Note 1)	Cı	10			pF				
Typical Thermal Resistance (Note 2)	Rejc				30				°C/W
Operating Temperature Range	TJ	-55 to +150					°C		
Storage Temperature Range	Тѕтс								

Notes:

- 1. Measured at 1.0MHz and applied reverse voltage of 4.0V DC.
- 2. Thermal resistance junction to ambient.
- 3. The typical data above is for reference only

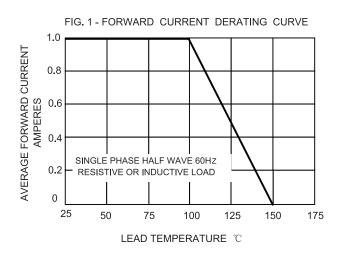
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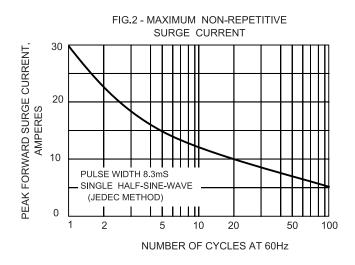


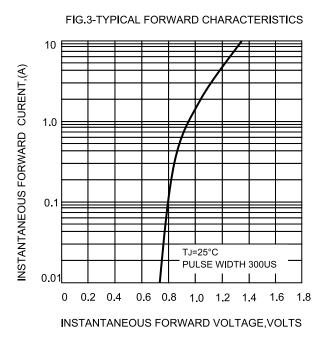
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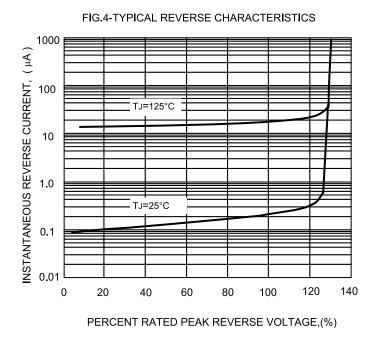


Ratings and Characteristic Curves





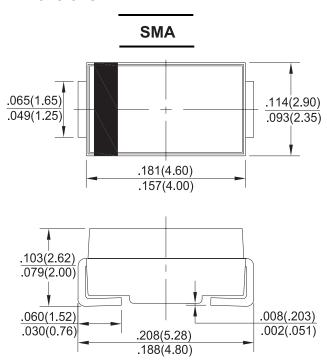




Surface Mount Glass Passivated Rectifier



Dimensions:



Dimensions: Inches (Millimetres)

Part Number Table

Description	Part Number			
Surface Mount Glass Passivated Rectifiers	S1A			
	S1B			
	S1D			
	S1G			
	S1J			
	S1K			
	S1M			

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