

# SURFACE MOUNT GLASS PASSIVATED RECTIFIERS

REVERSE VOLTAGE - 50 to 1000 Volts FORWARD CURRENT - 1.0 Ampere

### **FEATURES**

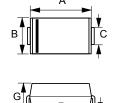
- Glass passivated chip
- For surface mounted applications
- Low reverse leakage current
- Low forward voltage drop
- High current capability
- Plastic material has UL flammability classification 94V-0

### **MECHANICAL DATA**

• Case : Molded plastic

Polarity: Indicated by cathode bandWeight: 0.002 ounces, 0.064 grams

## SMA



SMA						
DIM.	MIN.	MAX.				
Α	4.06	4.57				
В	2.29	2.92				
С	1.27	1.63				
D	0.15	0.31				
Е	4.83	5.59				
F	0.05	0.20				
G	1.96	2.40				
Н	0.76	1.52				
All Dime	nsions in r	millimeter				

## MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified.

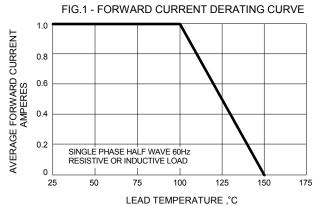
CHARACTERISTICS	SYMBOL	S1A	S1B	S1D	S1G	S1J	S1K	S1M	UNIT
Maximum Recurrent Peak Reverse Voltage	VRRM	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	VRMS	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	VDC	50	100	200	400	600	800	1000	V
Maximum Average Forward $@TL = 100^{\circ}C$ Rectified Current $@TC = 100^{\circ}C$	I(AV)				1.0				А
Peak Forward Surge Current 8.3ms single half sine-wave super imposed on rated load (JEDEC METHOD)	IFSM	30							А
Maximum forward Voltage at 1.0A DC	VF	1.1							V
	IR	5.0 100							uA
Typical Junction Capacitance (Note1)	Cı	10						pF	
Typical Thermal Resistance (Note 2)	Rejc	30					°C \W		
Operating Temperature Range	TJ	-55 to +150						℃	
Storage Temperature Range	Тѕтс	-55 to +150						℃	

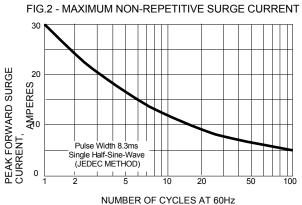
NOTES: 1. Measured at 1.0MHz and applied reverse voltage of 4.0V DC.

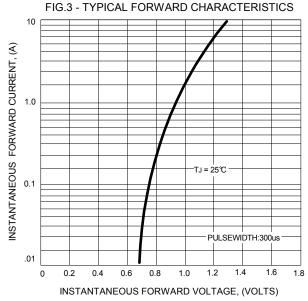
2. Thermal Resistance Junction to Lead and Case.

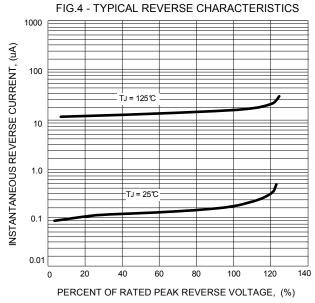
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