

# PRV : 50 - 1000 Volts

## lo: 1.5 Amperes

### Features

- High current capability
- · High surge current capability
- · High reliability
- Low reverse current
- Low forward voltage drop
- Fast switching for high efficiency
- RoHS compliant package

### **Mechanical Data**

- Case : SMA Molded plastic
- Epoxy : UL94V-O rate flame retardant
- · Lead : Lead Formed for Surface Mount
- · Polarity : Color band denotes cathode end
- Mounting position : Any
- Weight : 0.063 gram

### Packing & Order Information

3,000/Reel



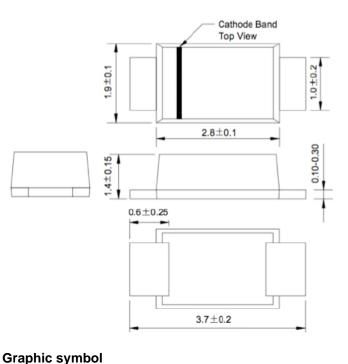
RoHS COMPLIANT



### MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25 °C ambient temperature unless otherwise specified.										
Rating	Symbol	GROA	GROB	GROD	GROG	GROJ	GROK	GROM	Unit	
Maximum Recurrent Peak Reverse	V <sub>RRM</sub>	50	100	200	400	600	800	1000	V	
Voltage										
Maximum RMS Voltage	V <sub>RMS</sub>	35	70	140	280	420	560	700	V	
Maximum DC Blocking Voltage	V <sub>DC</sub>	50	100	200	400	600	800	1000	V	
Maximum Average Forward									A	
Current Tc = 50°C	IF(AV)	1.5								
Maximum Peak Forward Voltage at	V	1.3							V	
IF = 1.5 A	V <sub>F</sub>									

## SOD-123FL





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Rating at 25 °C ambient temperature unless otherwise specified.										
Rating	Symbol	GROA	GROB	GROD	GROG	GROJ	GROK	GROM	Unit	
Maximum Peak Forward Surge		50							V	
Current,8.3ms Single half sine wave										
superimposed on rated load	IFSM									
(JEDEC Method)										
Maximum DC Reverse Current		5							μA	
Ta = 25°C	I <sub>R</sub>									
at Rated DC Blocking Voltage		100							μA	
Ta = 100°C	I <sub>R(H)</sub>									
Typical Junction capacitance	0	30							pF	
(Note 2)	CJ									
Junction temperature range	TJ	-65 to +150							°C	
Storage temperature range	T <sub>STG</sub>	-65 to +150						°C		

#### NOTE:

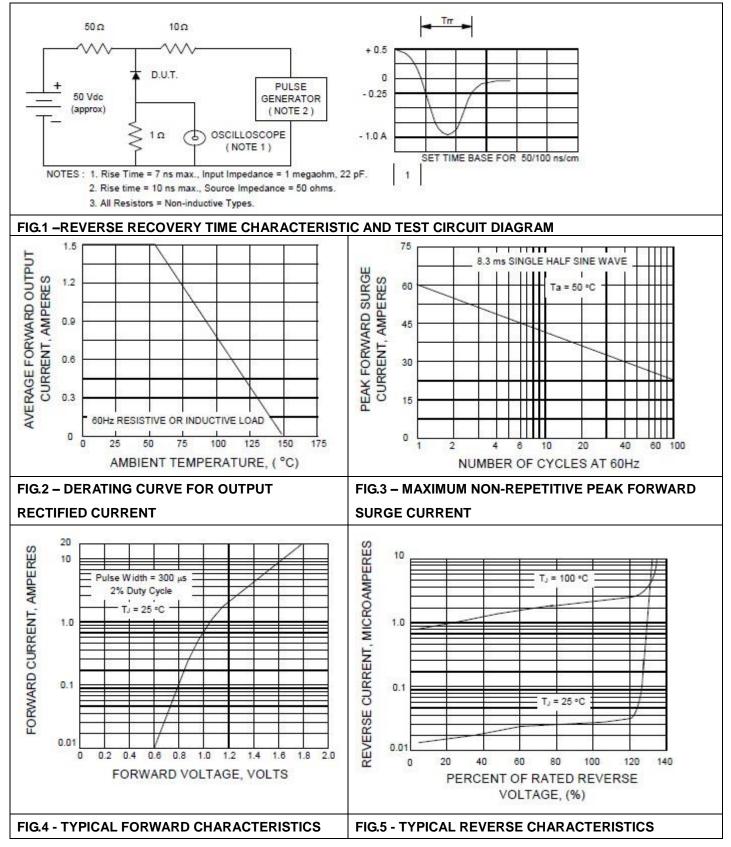
1. Measured at 1.0 MHz and applied reverse voltage of 4.0 VDC



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### ■RATING AND CHARACTERISTIC CURVES ( GROA - GROM )





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