

GROA_M

PRV: 50 - 1000 Volts

Io: 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

- 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

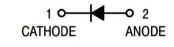
Package type : SOD-123FL

Packing & Order Information

3,000/Reel



RoHS COMPLIANT

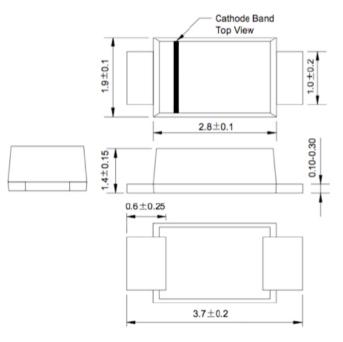


Graphic symbol

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 _{RRM}	50	100	200	400	600	800	1000	v	
Voltage										
Maximum RMS Voltage	V _{RMS}	35	70	140	280	420	560	700	V	
Maximum DC Blocking Voltage	V _{DC}	50	100	200	400	600	800	1000	V	
Maximum Average Forward	I _{F(AV)}	15							A	
Current Tc = 50° C		F(AV) 1.5								
Maximum Peak Forward Voltage at	VF	1.3							v	
IF = 1.5 A	VF									

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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								
Current,8.3ms Single half sine wave	т								v	
superimposed on rated load	Ifsm									
(JEDEC Method)										
Maximum DC Reverse Current	т	5							μA	
$Ta = 25^{\circ}C$	IR									
at Rated DC Blocking Voltage	т	100								
Ta = 100 °C	I _{R(H)}	100							μA	
Typical Junction capacitance		30							pF	
(Note 2)	CJ									
Junction temperature range	TJ	-65 to +150						°C		
Storage temperature range	T _{STG}	-65 to +150						°C		

NOTE:

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

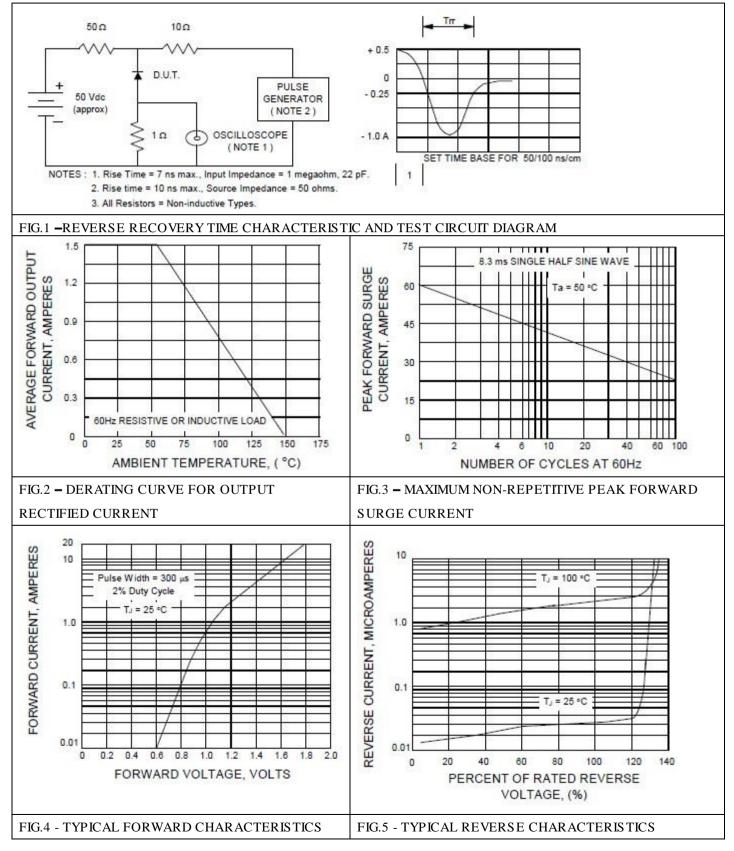


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■RATING AND CHARACTERISTIC CURVES (GROA-GROM)





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