Features

- Halogen Free Available Upon Request By Adding Suffix "-HF"
- Low Switching Noise
- Low Forward Voltage Drop
- High Current Capability
- High Surge Current Capability
- Lead Free Finish/RoHS Compliant(Note 1) ("P" Suffix Designates Compliant. See Ordering Information)
- Epoxy Meets UL 94 V-0 Flammability Rating

3 Amp Schottky Barrier Rectifier 150 Volts

Maximum Ratings

- Operating Junction Temperature Range: -50ºC to +150ºC
- Storage Temperature Range: -50ºC to +150ºC
- Typical Thermal Resistance: 30°C/W Junction to Ambient

MCC Part Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
SR3150	SR3150	150V	105V	150V

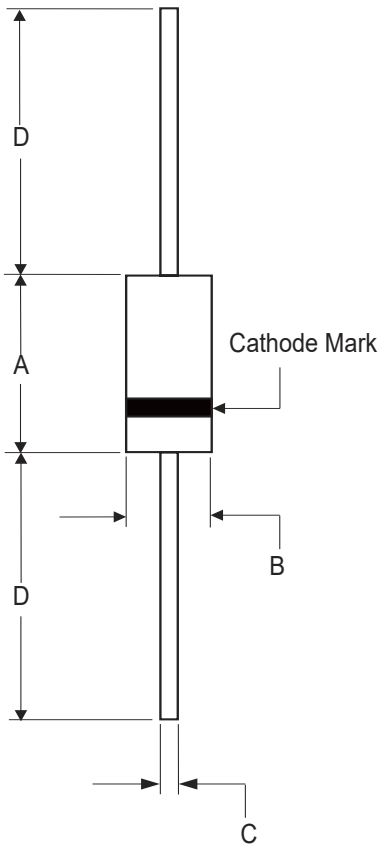
Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current	$I_{F(AV)}$	3.0A	T_A=100ºC
Peak Forward Surge Current	I_{FSM}	80A	8.3ms,Half Sine
Maximum Instantaneous Forward Voltage	V_F	0.92V	I_{FM}=3.0A; T_J=25ºC*;
Maximum DC Reverse Current at Rated DC Blocking Voltage	I_R	0.01mA	V_R=150V T_J=25ºC

*Pulse test: Pulse width 300 μsec, Duty cycle 1%

Note :1. High Temperature Solder Exemption Applied, see EU Directive Annex 7a.

DO-201AD



DIMENSIONS					
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.287	0.374	7.30	9.50	
B	0.189	0.208	4.80	5.30	
C	0.048	0.052	1.20	1.30	
D	1.000	-----	25.40	-----	

Curve Characteristics

Fig. 1 - Forward Current Derating Curve

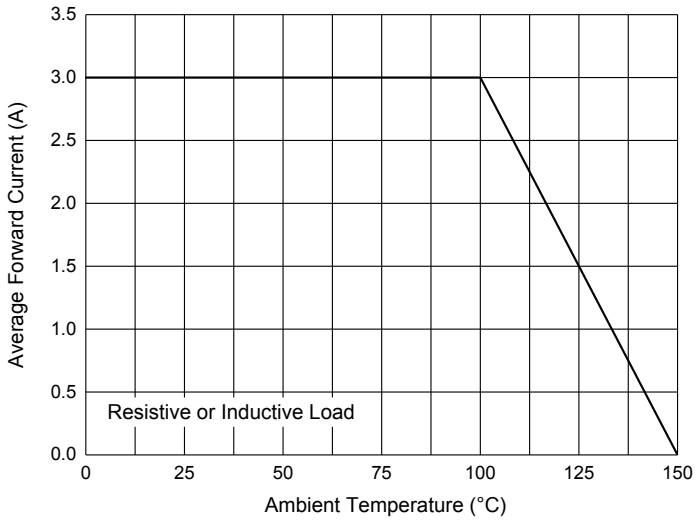


Fig. 2 - Maximum Non-Repetitive Peak Forward Surge Current

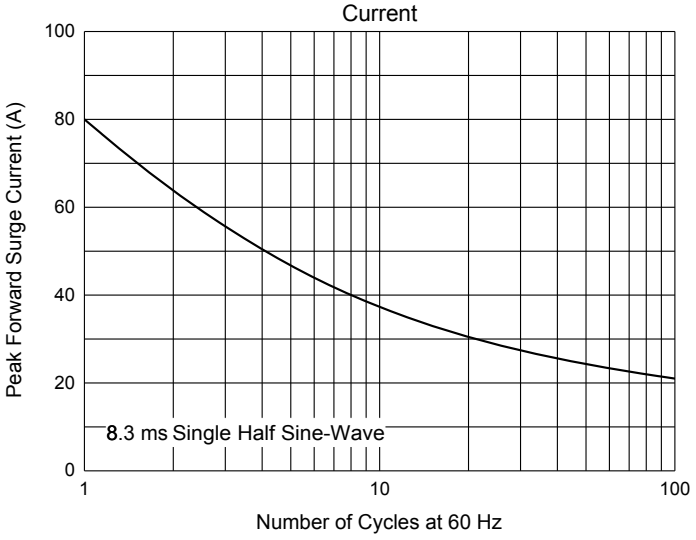


Fig. 3 - Typical Instantaneous Forward Characteristics

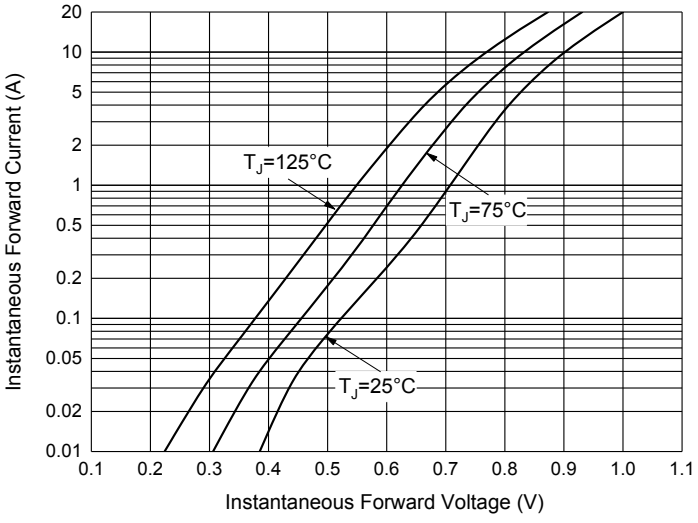
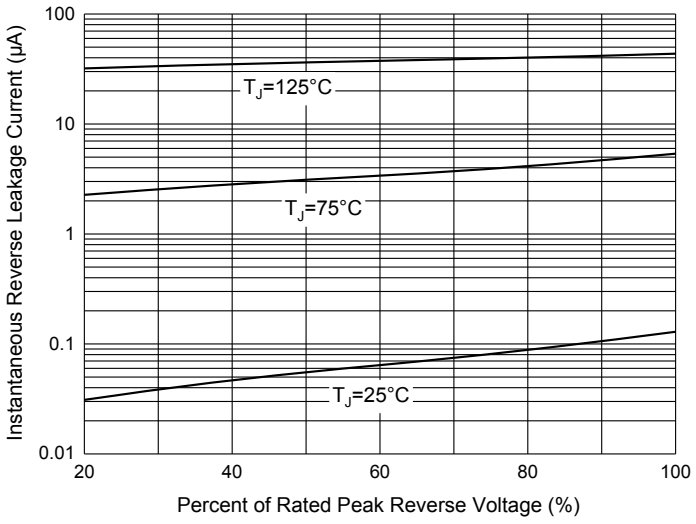


Fig. 4 - Typical Reverse Leakage Characteristics



Ordering Information

Device	Packing
Part Number-TP	Tape&Reel: 1.2Kpcs/Reel
Part Number-AP	Ammo Packing: 1.2Kpcs/Ammo Box
Part Number-BP	Bulk:500pcs/Box,12Kpcs/Carton

Note : Adding "-HF" Suffix For Halogen Free, eg. Part Number-TP-HF

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