Features

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

8 Amp Schottky Barrier Rectifier 20 to 100 Volts

Maximum Ratings

- Operating Junction Temperature Range: -55ºC to +125ºC
- Storage Temperature Range: -55ºC to +150ºC
- Maximum Thermal Resistance: 30°C/W Junction to Lead

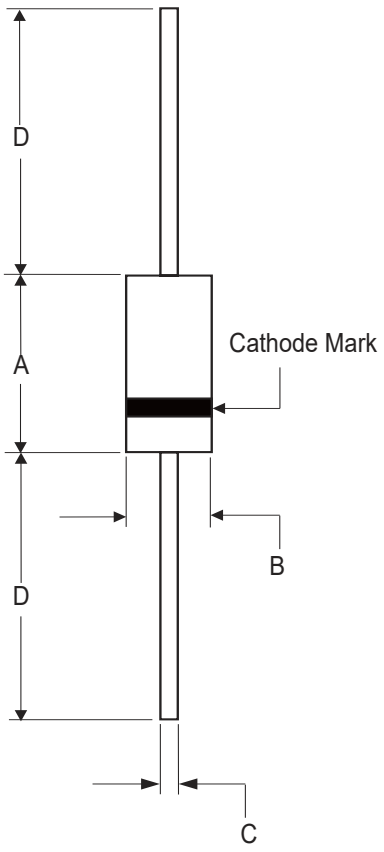
MCC Part Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
SR802	SR802	20V	14V	20V
SR803	SR803	30V	21V	30V
SR804	SR804	40V	28V	40V
SR8045	SR8045	45V	31.5V	45V
SR805	SR805	50V	35V	50V
SR806	SR806	60V	42V	60V
SR808	SR808	80V	56V	80V
SR810	SR810	100V	70V	100V

Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current	$I_{F(AV)}$	8.0A	T_A=90ºC
Peak Forward Surge Current	I_{FSM}	150A	8.3ms,Half Sine
Maximum Instantaneous Forward Voltage SR802-SR8045 SR805-SR806 SR808-SR810	V_F	 0.65V 0.70V 0.85V	 I_{FM}=8.0A; T_J=25ºC
Maximum DC Reverse Current at Rated DC Blocking Voltage	I_R	0.1mA 10mA	T_J=25ºC; T_J=100ºC
Typical Junction Capacitance SR802-SR8045 SR805-SR806 SR808-SR810	C_J	 500pF 380pF 165pF	 Measured at 1.0MHz, V_R=4.0V

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. 3 - Forward Current Derating Curve

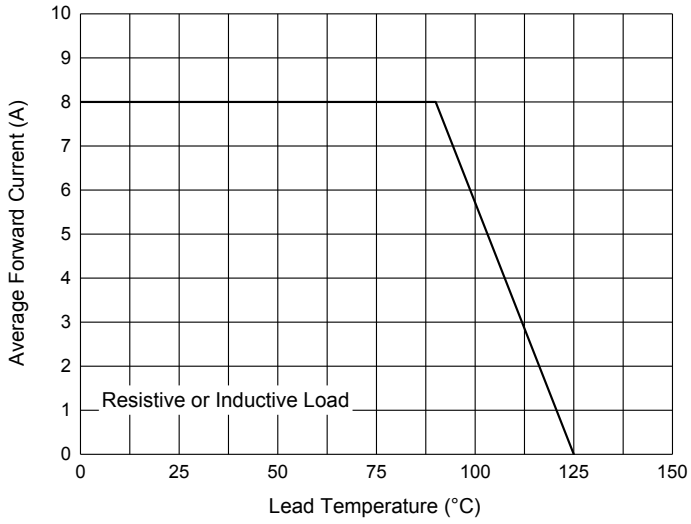


Fig. 2 - Maximum Non-Repetitive Peak Forward Surge Current

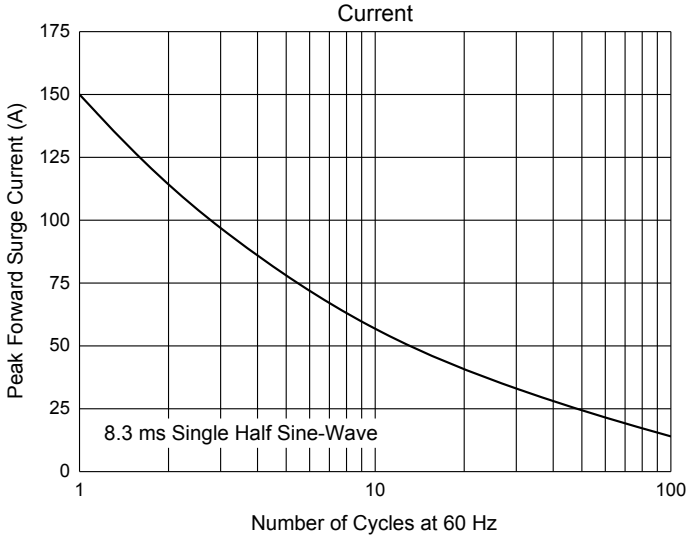


Fig. 3 - Typical Instantaneous Forward Characteristics

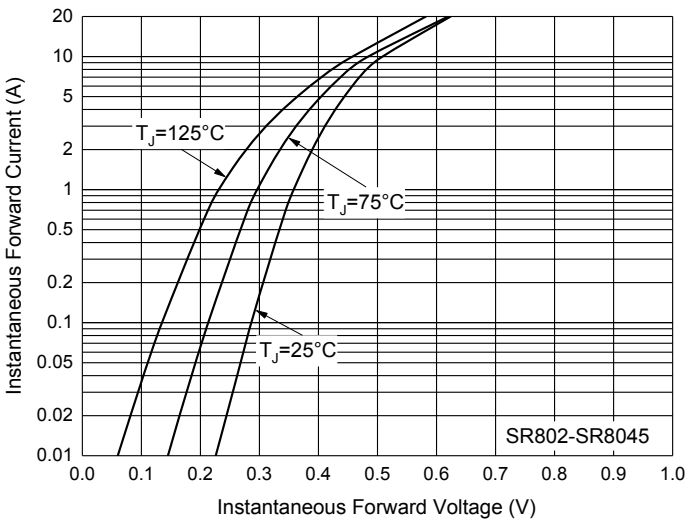


Fig. 4 - Typical Instantaneous Forward Characteristics

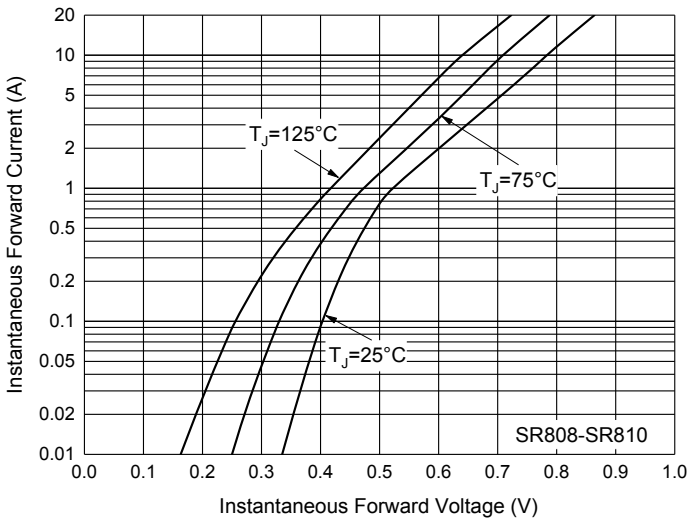


Fig. 5 - Typical Reverse Leakage Characteristics

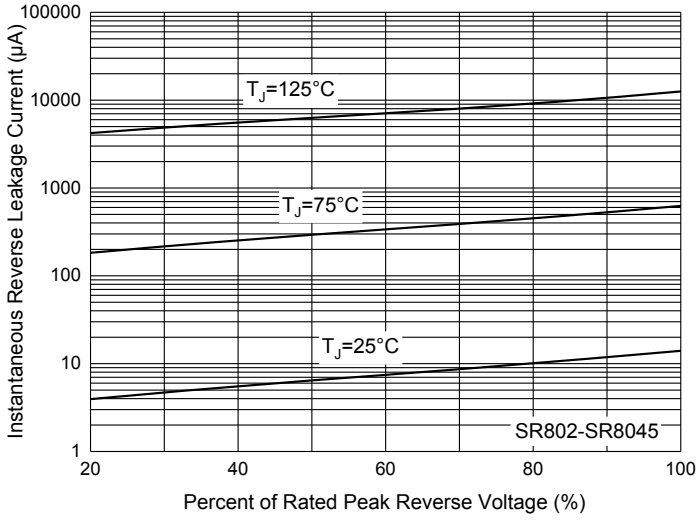
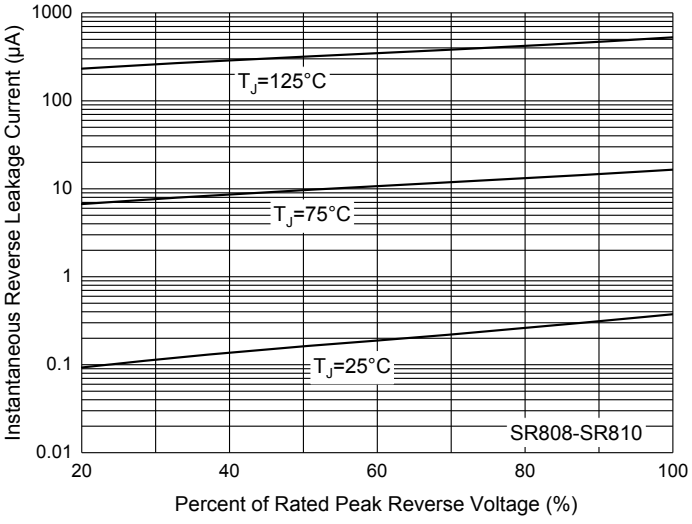


Fig. 6 - Typical Reverse Leakage Characteristics



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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