

Features

- Guard Ring Protection
- Low Forward Voltage Drop
- Low Power Loss For High Efficiency
- Reverse Energy Tested
- Lead Free Finish/RoHS Compliant(Note 1)("P" Suffix Designates Compliant. See Ordering Information)
- Epoxy Meets UL 94 V-0 Flammability Rating
- Moisture Sensitivity Level 1

Maximum Ratings

- Operating Junction Temperature Range: -50°C to +125°C
- Storage Temperature Range: -50°C to +125°C
- 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
SR202	SR202	20V	14V	20V
SR203	SR203	30V	21V	30V
SR204	SR204	40V	28V	40V
SR206	SR206	60V	42V	60V

Electrical Characteristics @ 25°C Unless Otherwise Specified

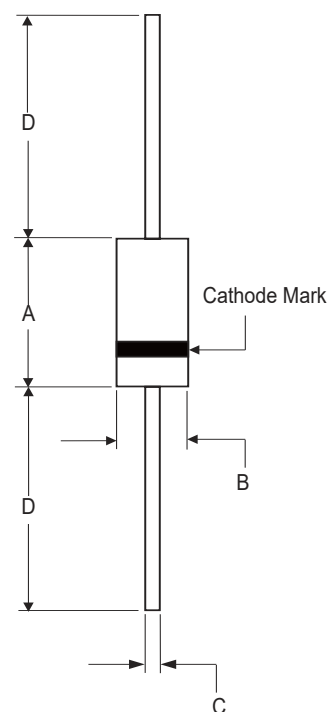
Average Forward Current	$I_{F(AV)}$	2.0A	$T_L = 90^\circ\text{C}$
Maximum Surge Current	I_{FSM}	50A	8.3ms, Half Sine
Max Peak Forward Voltage	V_{FM}	0.55V 0.70V	$I_{FM}=2.0A;$ $T_J=25^\circ\text{C}^*$
Max Peak Reverse Current	I_{RM}	0.1mA 10mA	$V_{RRM}, T_J=25^\circ\text{C};$ $T_J=100^\circ\text{C}$
Typical Junction Capacitance	C_J	50pF	$V_R=5.0V, T_J=25^\circ\text{C}$

*Pulse test: Pulse width 300 μsec , Duty cycle 2%

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

2.0 Amp Schottky Barrier Rectifier 20 to 60 Volts

DO-41



DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	0.160	0.205	4.10	5.20	
B	0.080	0.107	2.00	2.70	Φ
C	0.028	0.035	0.71	0.90	Φ
D	1.000	-----	25.40	-----	

Curve Characteristics

Fig. 1 - Forward Current Derating Curve

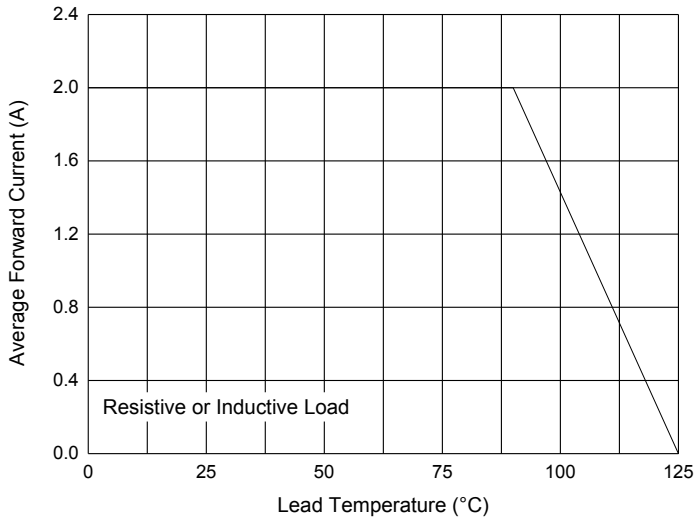


Fig. 2 - Maximum Non-Repetitive Peak Forward Surge Current

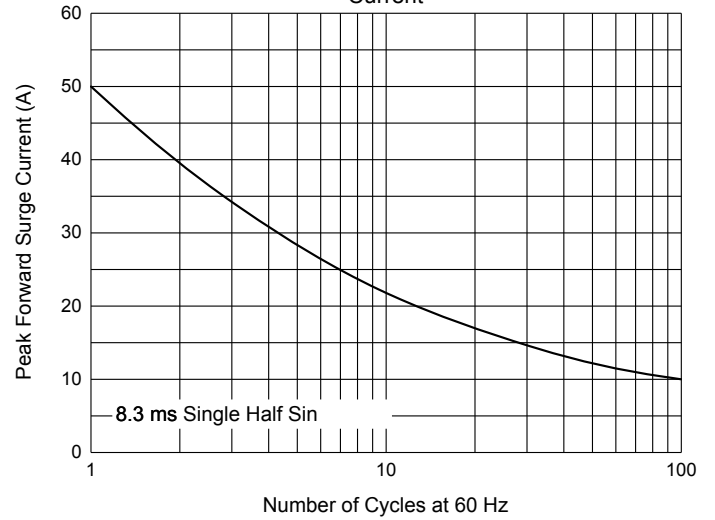


Fig. 3 - Typical Instantaneous Forward Characteristics

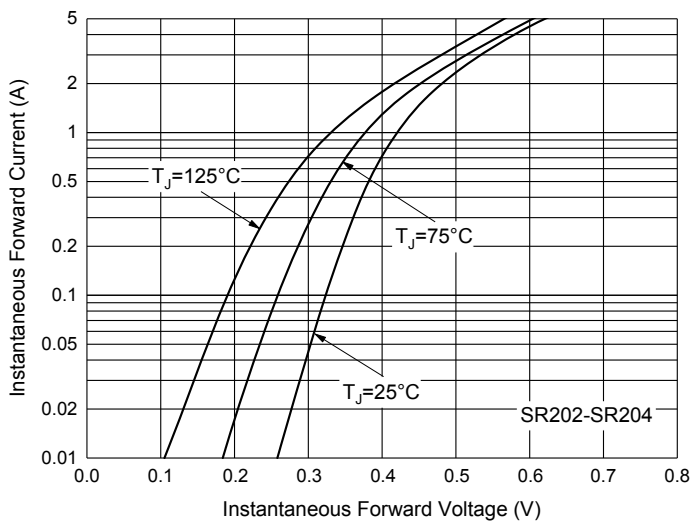


Fig. 4 - Typical Instantaneous Forward Characteristics

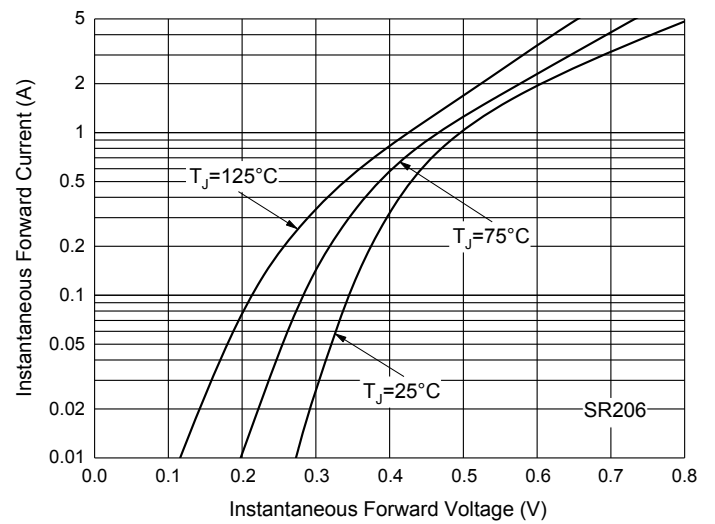


Fig. 6 - Typical Reverse Leakage Characteristics

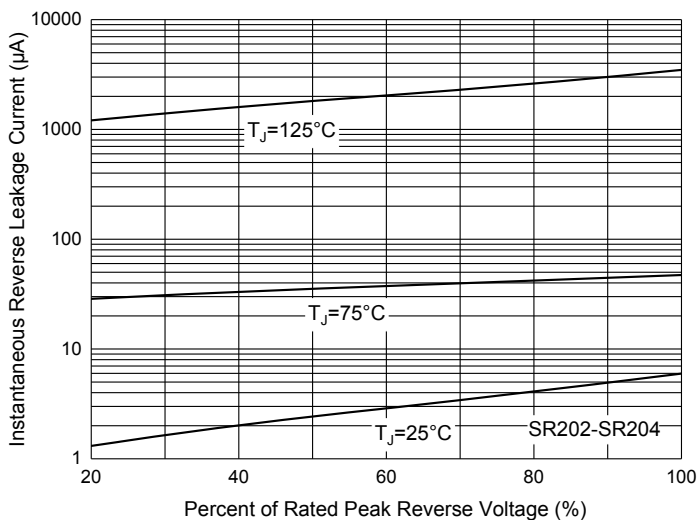
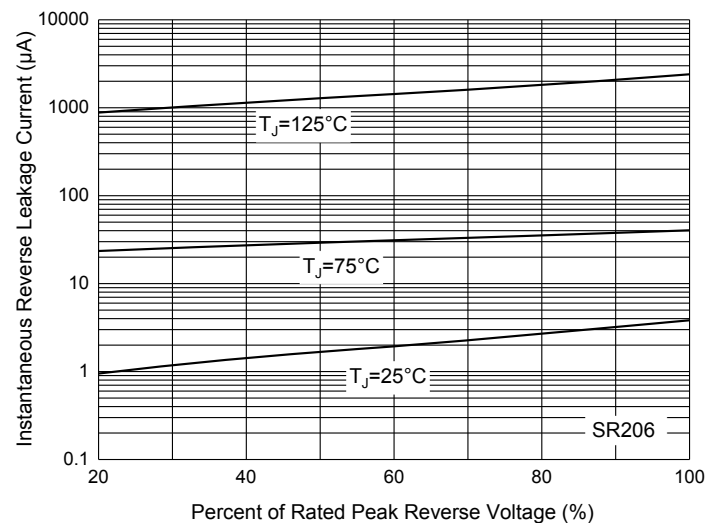


Fig. 6 - Typical Reverse Leakage Characteristics



Ordering Information

Device	Packing
(Part Number)-TP	Tape&Reel: 5Kpcs/Reel
(Part Number)-AP	Ammo Packing: 5Kpcs/Ammo Box
(Part Number)-BP	Bulk: 1Kpcs/Box, 50Kpcs/Carton

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

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