Features

- Glass Passivated Junction
- Epoxy Meets UL 94 V-0 Flammability Rating
- High Current Capability And Low Current Leakage
- Halogen Free Available Upon Request By Adding Suffix "-HF"
- Lead Free Finish/RoHS Compliant (Note1) ("P"Suffix Designates Compliant. See Ordering Information)

3 Amp Glass Passivated Rectifier 50 to 1000 Volts

Maximum Ratings

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

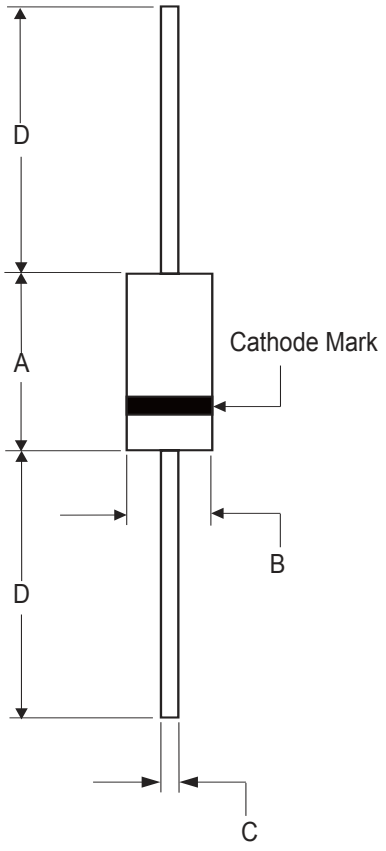
MCC Part Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
1N5400GP	1N5400GP	50V	35V	50V
1N5401GP	1N5401GP	100V	70V	100V
1N5402GP	1N5402GP	200V	140V	200V
1N5404GP	1N5404GP	400V	280V	400V
1N5406GP	1N5406GP	600V	420V	600V
1N5407GP	1N5407GP	800V	560V	800V
1N5408GP	1N5408GP	1000V	700V	1000V

Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current	$I_{F(AV)}$	3.0A	T_A=105ºC
Peak Forward Surge Current	I_{FSM}	200A	8.3ms,Half Sine
Maximum Instantaneous Forward Voltage	V_F	1.1V	I_{FM}=3.0A; T_J=25ºC
Maximum DC Reverse Current At Rated DC Blocking Voltage	I_R	5.0μA 50μA	T_J=25ºC; T_J=125ºC
Typical Junction Capacitance	C_J	40pF	Measured at 1.0MHz, V_R=4.0V

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

DO-201AD



DIM	DIMENSIONS				NOTE
	INCHES		MM		
	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

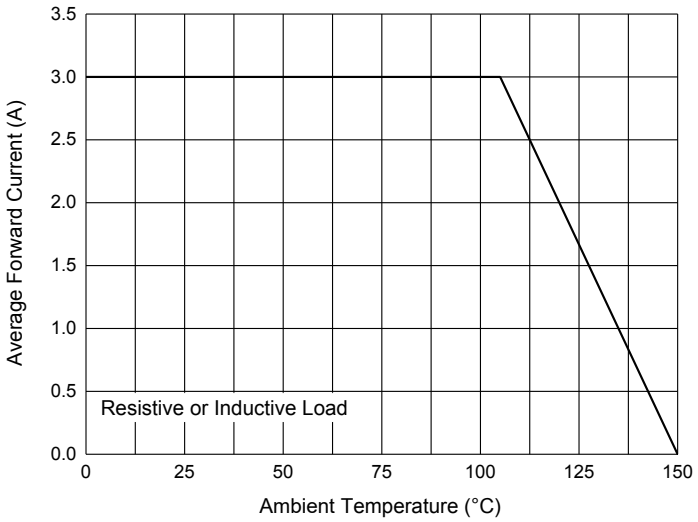


Fig. 2 - Maximum Non-Repetitive Peak Forward Surge Current

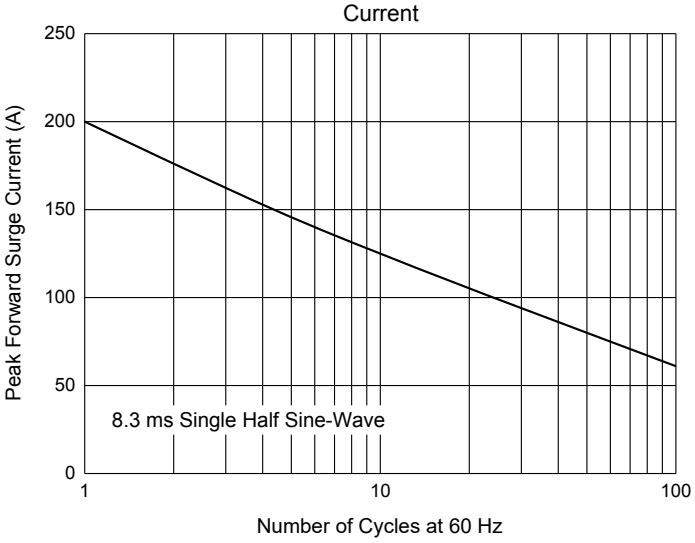


Fig. 3 - Typical Instantaneous Forward Characteristics

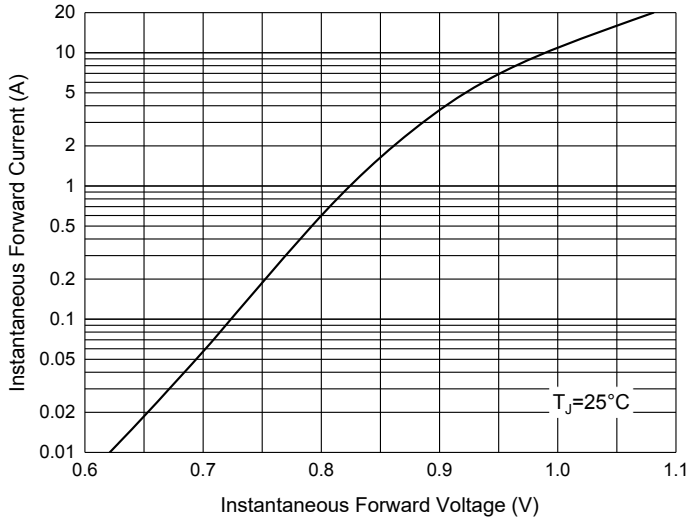
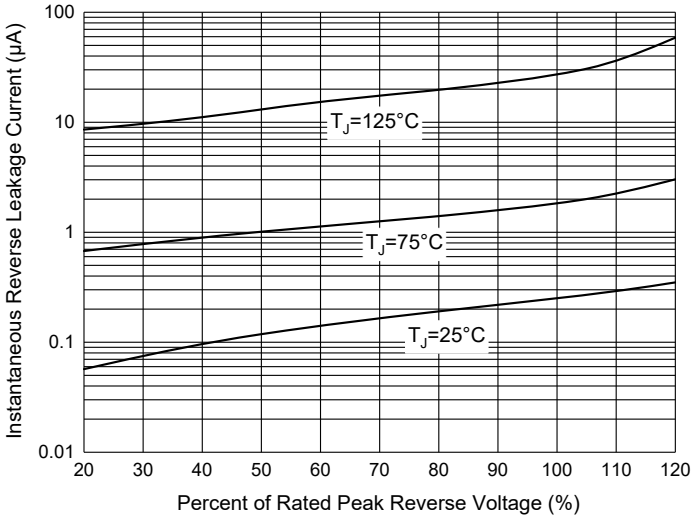


Fig. 4 - Typical Reverse Leakage Characteristics



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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