Features

- Halogen Free Available Upon Request By Adding Suffix "-HF"
- High Surge Capability
- Glass Passivated Junction
- Ultra Fast Switching Speed For High Efficiency
- Lead Free Finish/RoHS Compliant (Note1) ("P"Suffix Designates Compliant. See Ordering Information)
- Epoxy Meets UL 94 V-0 Flammability Rating

4 Amp Ultra Fast Recovery Rectifier 50 to 1000 Volts

Maximum Ratings

- Operating Junction Temperature Range: -55ºC to +150ºC
- Storage Temperature Range: -55ºC to +150ºC
- Typical Thermal Resistance: 20°C/W Junction to Ambient

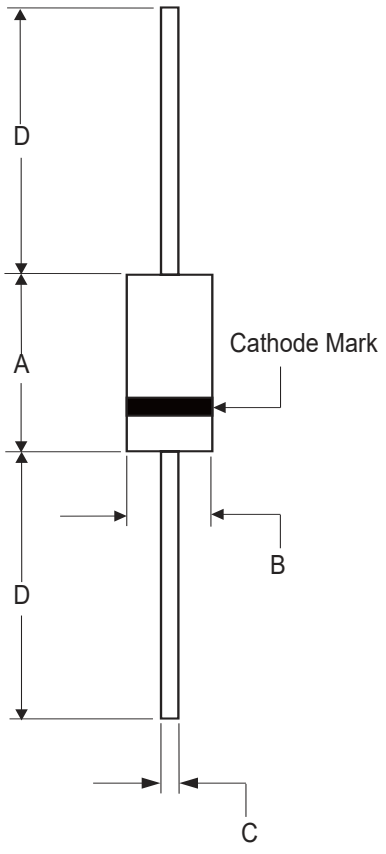
MCC Part Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
MUR405GP	MUR405G	50V	35V	50V
MUR410GP	MUR410G	100V	70V	100V
MUR415GP	MUR415G	150V	105V	150V
MUR420GP	MUR420G	200V	140V	200V
MUR440GP	MUR440G	400V	280V	400V
MUR460GP	MUR460G	600V	420V	600V
MUR480GP	MUR480G	800V	550V	800V
MUR4100GP	MUR4100G	1000V	700V	1000V

Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current	$I_{F(AV)}$	4.0A	T_A=55ºC
Peak Forward Surge Current	I_{FSM}	150A	8.3ms,Half Sine
Maximum Instantaneous Forward Voltage MUR405GP-420GP MUR440GP-460GP MUR480GP-4100GP	V_F	1.0V 1.28V 1.85V	I_{FM}=4.0A; T_J=25ºC
Maximum DC Reverse Current At Rated DC Blocking Voltage	I_R	10µA 50µA	T_J=25ºC; T_J=100ºC
Maximum Reverse Recovery Time MUR405GP-420GP MUR440GP-460GP MUR480GP-4100GP	Trr	25ns 50ns 75ns	I_F=0.5A; I_R=1.0A; Irr=0.25A
Typical Junction Capacitance MUR405GP-420GP MUR440GP-4100GP	C_J	60pF 50pF	Measured at 1.0MHz, V_R=4.0V

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

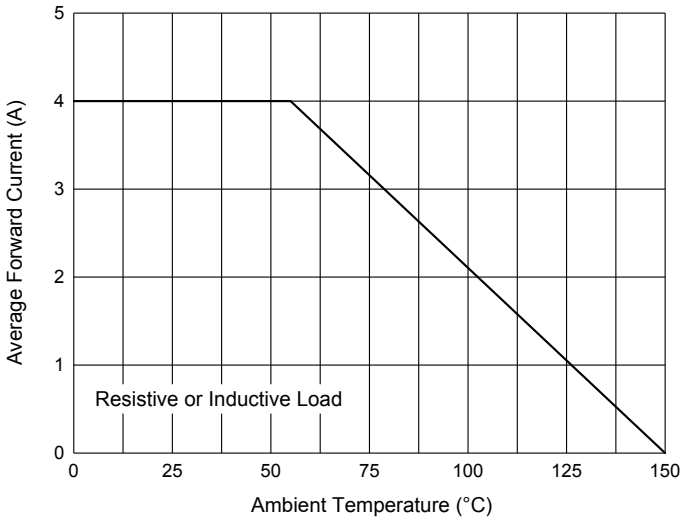


Fig. 2 - Maximum Non-Repetitive Peak Forward Surge Current

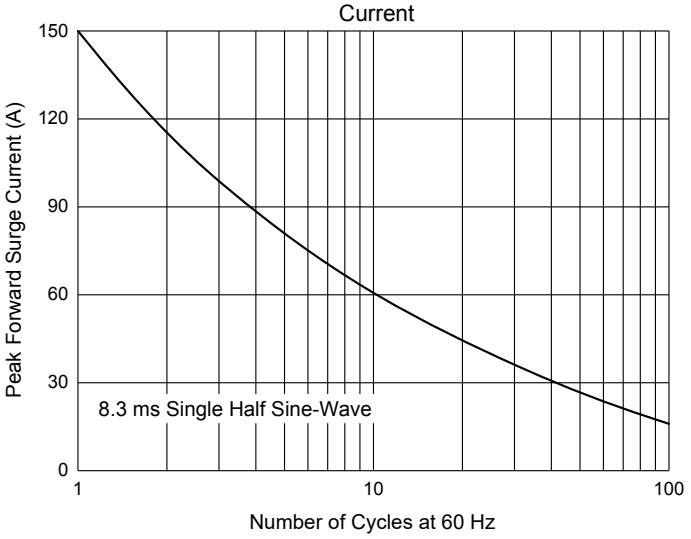


Fig. 3 - Typical Instantaneous Forward Characteristics

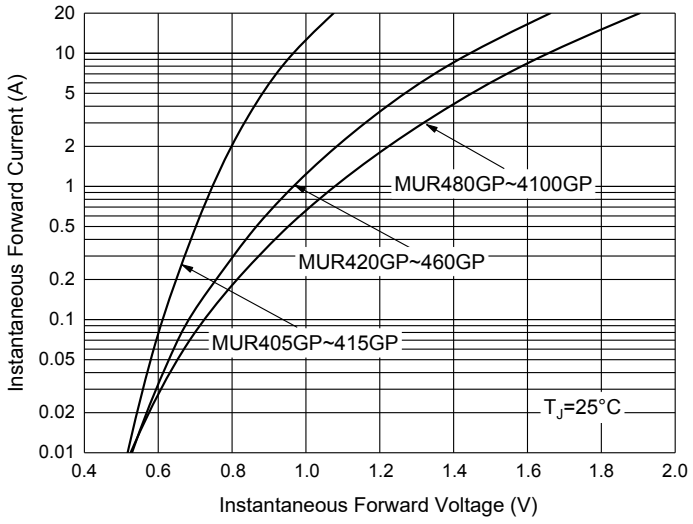
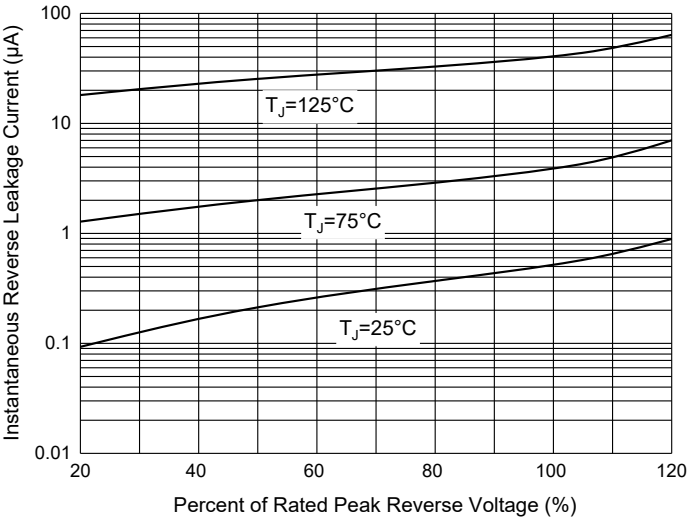


Fig. 4 - Typical Reverse Leakage Characteristics



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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