



Micro Commercial Components



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MUR460GP

4 Amp Glass Passivated Super Fast Recovery Rectifier 600 Volts

Features

- Halogen free available upon request by adding suffix "-HF"
- High Surge Capability
- Low Leakage and Low Forward Voltage Drop
- Ultra Fast Switching Speed For High Efficiency
- Lead Free Finish/RoHS Compliant(Note 1) ("P" Suffix designates RoHS Compliant. See ordering information)

Maximum Ratings

- Epoxy meets UL 94 V-0 flammability rating
- Operating Temperature: -55°C to +150°C
- Storage Temperature: -55°C to +150°C
- Typical Thermal Resistance 20°C/W
- Moisture Sensitivity Level 1

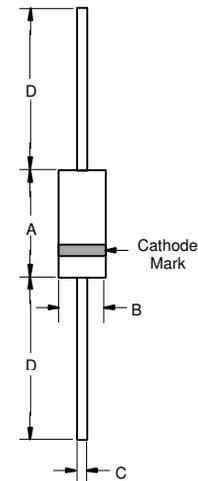
MCC Catalog Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
MUR460GP	MUR460G	600V	420V	600V

Electrical Characteristics @25°C Unless Otherwise Specified

Average Forward Current	$I_{F(AV)}$	4.0A	$T_A = 55^\circ\text{C}$
Peak Forward Surge Current	I_{FSM}	150A	8.3ms, half sine
Maximum Instantaneous Forward Voltage	V_F	1.30V	$I_{FM} = 4.0A$; $T_A = 25^\circ\text{C}$
Maximum DC Recovery Time	T_{rr}	60ns	$I_F = 0.5A, I_R = 1.0A,$
Maximum Reverse Reverse Current At Rated DC Blocking Voltage	I_R	5uA	$T_A = 25^\circ\text{C}$
Typical Junction Capacitance	C_J	80pF	Measured at 1.0MHz, $V_R = 4.0V$

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

DO-201AD



DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.287	.374	7.30	9.50	
B	.189	.208	4.80	5.30	
C	.048	.052	1.20	1.30	
D	1.000	---	25.40	---	

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Figure 1
Typical Forward Characteristics

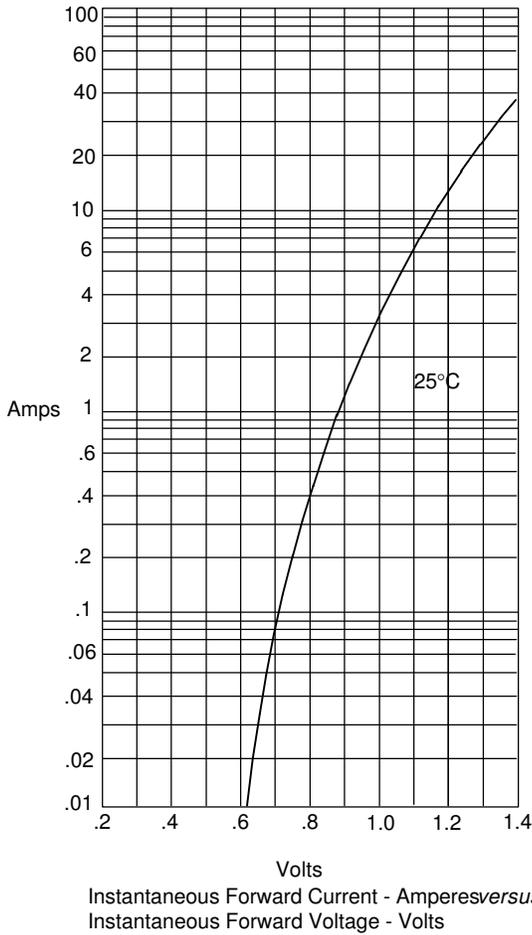


Figure 2
Forward Derating Curve

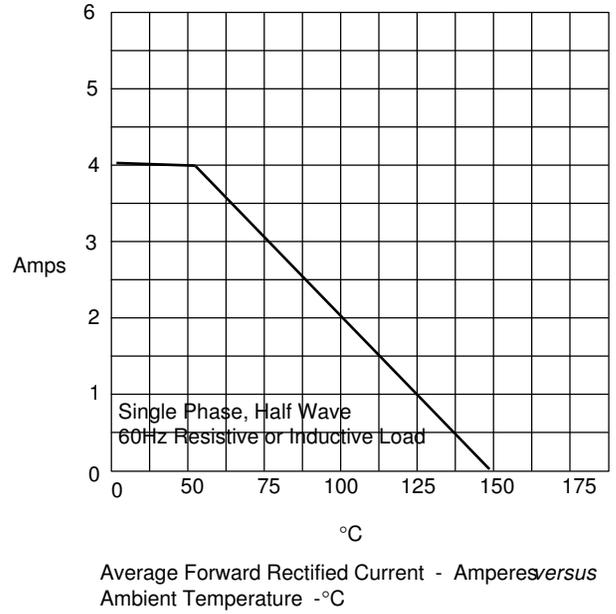
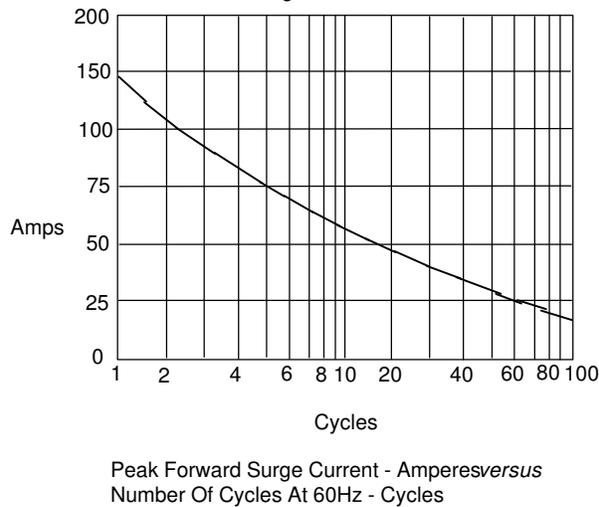


Figure 3
Peak Forward Surge Current





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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: 12Kpcs/Carton

Note : Adding "-HF" suffix for halogen free, eg. Part Number-TP-HF

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