

Features

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

Maximum Ratings

- Operating Junction Temperature Range: -55°C to +150°C
- Storage Temperature Range: -55°C to +150°C
- Typical Thermal Resistance: 2.5°C/W Junction to Case

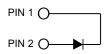
MCC Part Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
MUR810F	MUR810F	100V	70V	100V
MUR820F	MUR820F	200V	140V	200V
MUR840F	MUR840F	400V	280V	400V
MUR860F	MUR860F	600V	420V	600V

Electrical Characteristics @ 25°C Unless Otherwise Specified

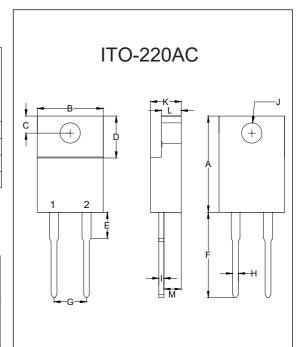
Average Forward Current	I _{F(AV)}	8.0A	T _C =100°C
Peak Forward Surge Current	I _{FSM}	125A	8.3ms,Half Sine
Maximum Instantaneous Forward Voltage MUR810F-MUR820F MUR840F MUR860F	V _F	0.975V 1.3V 1.5V	I _{FM} =8A T _J =25°C
Maximum DC Reverse Current At Rated DC Blocking Voltage	I _R	5.0μA 500μA	T _J =25°C; T _J =125°C
Maximum Reverse Recovery Time MUR810F-MUR820F MUR840F-MUR860F	t _{rr}	35ns 50ns	I _F =0.5A; I _R =1.0A; I _{RR} =0.25A

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

Internal Structure



8 Amp Super Fast Rectifier 100 to 600 Volts



DIMENSIONS						
DIM	INCHES		MM		NOTE	
Dilvi	MIN	MAX	MIN	MAX	NOTE	
Α	0.567	0.606	14.40	15.40		
В		0.406		10.30		
С	0.100	0.112	2.55	2.85		
D	0.248	0.272	6.30	6.90		
E		0.161		4.10		
F	0.500	0.543	12.70	13.80		
G	0.200		5.10			
Н		0.035		0.90		
I		0.032		0.80		
J	0.102	0.134	2.60	3.40	Ф	
K		0.189		4.80		
L		0.123		3.10		
М	0.098	0.114	2.50	2.90		



Curve Characteristics

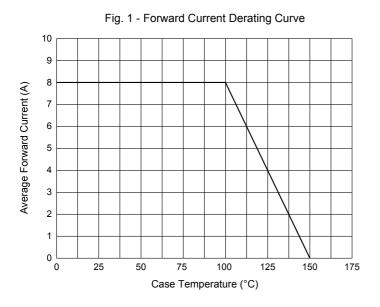
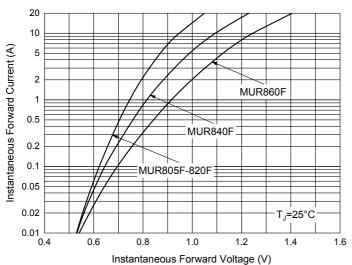


Fig. 3 - Typical Instantaneous Forward Characteristics



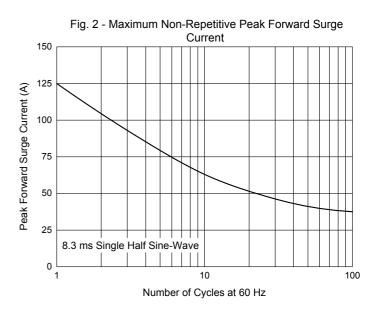
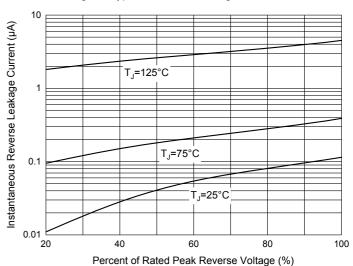


Fig. 4 - Typical Reverse Leakage Characteristics





Ordering Information

Device	Packing	
Part Number-BP	Bulk:50pcs/Tube,1Kpcs/Box,5Kpcs/Carton	

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

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