

10 Amp Super

Fast Rectifier

200 to 600 Volts

Features

- 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
- 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
MUR1020F	MUR1020F	200V	140V	200V
MUR1040F	MUR1040F	400V	280V	400V
MUR1060F	MUR1060F	600V	420V	600V

Electrical Characteristics @ 25°C Unless Otherwise Specified

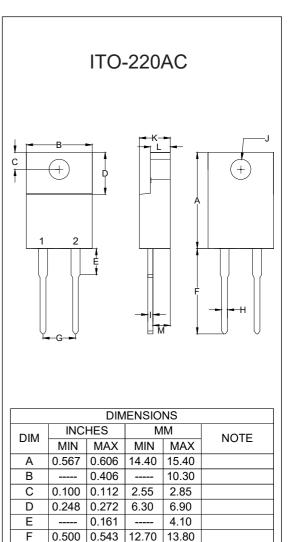
Average Forward Current	I _{F(AV)}	10A	T _C =100°C
Peak Forward Surge Current	I _{FSM}	125A	8.3ms,Half Sine
Maximum Instantaneous Forward Voltage MUR1020F MUR1040F MUR1060F	V _F	1.15V 1.5V 1.6V	I _F =10A T _J =25⁰C
Maximum DC Reverse Current At Rated DC Blocking Voltage	I _R	5.0μA 500μA	Tյ=25⁰C; Tյ=125⁰C
Maximum Reverse Recovery Time MUR1020F MUR1040F-MUR1060F	t _{rr}	35ns 50ns	I _F =0.5A; I _R =1.0A; I _{REC} =0.25A

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

Internal Structure

PIN 1 O-

PIN 2 O



5.10

0.80

3.40

4.80

3.10

2.90

Φ

2.60

2.50

G

Н

I

J

Κ

L

Μ

0.200

0.098 0.114

0.035

0.032

0.134

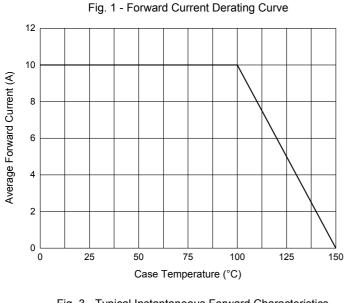
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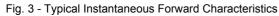
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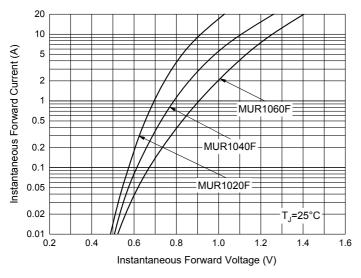
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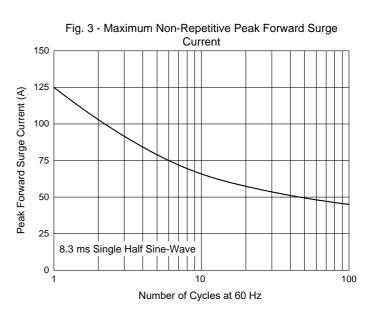


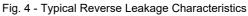
Curve Characteristics

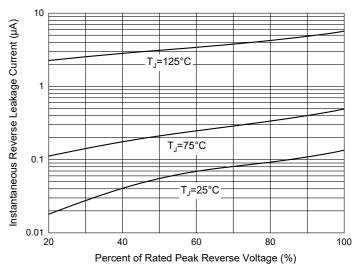














Ordering Information

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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