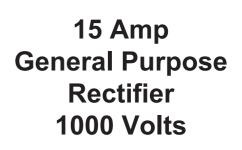


Features

- Halogen Free Available Upon Request By Adding Suffix "-HF"
- High Surge Forward Current Capability
- Glass Passivated Chip Junction
- Lead Free Finish/RoHS Compliant(Note 1) ("P" Suffix Designates Compliant. See Ordering Information)
- Epoxy Meets UL 94 V-0 Flammability Rating



Maximum Ratings

- Operating Junction Temperature Range: -55°C to +150°C
- Storage Temperature Range: -55°C to +150°C
- Typical Thermal Resistance: 3.0°C/W Junction to Case

MCC Part Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
GP1510	GP1510	1000V	700V	1000V

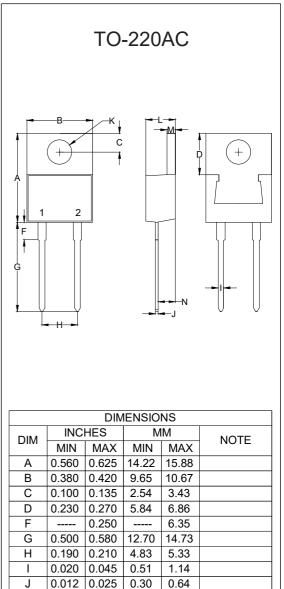
Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current	I _{F(AV)}	15A	T _C =100⁰C
Peak Forward Surge Current	I _{FSM}	220A	8.3ms,half sine
Instantaneous Forward Voltage	V _F	1.1V(Max.) 1.03V(Typ.) 1.0V(Max.)	I _F =15A; T _J =25⁰C I _F =15A; T _J =25⁰C I _F =15A; T _J =125⁰C
Maximum DC Reverse Current At Rated DC Blocking Voltage	I _R	5μΑ 100μΑ	T _J =25⁰C T _J =125⁰C
Typical Junction Capacitance	CJ	50pF	Measured at 1.0MHz , V _R =4.0V

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

Internal Structure

PIN 1 OCASE



0.139 0.161

0.140 0.190

0.045 0.055

0.080 0.115

Κ

L

Μ

Ν

3.53

3.56

1.14

2.03

4.09

4.83

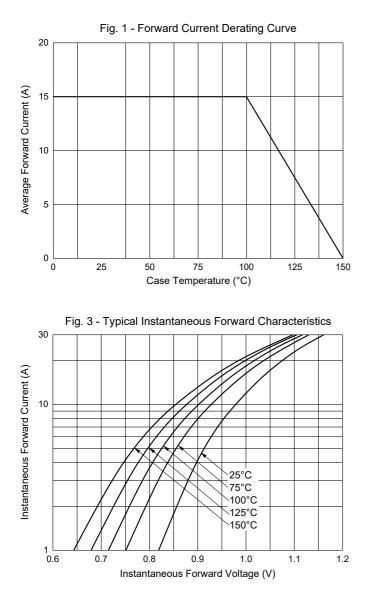
1.40

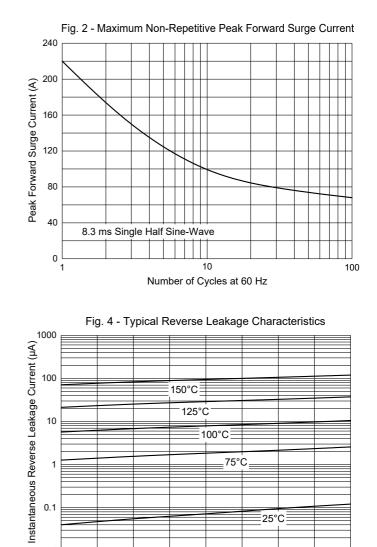
2.92

Φ



Curve Characteristics





25°C

80

100

0.01

20

40

60

Percent of Rated Peak Reverse Voltage (%)



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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