

Features

- Halogen Free Available Upon Request By Adding Suffix "-HF"
- Multilayer Metal -Silicon Potential Structure.
- Low Power Loss, High Efficiency
- High Surge Capacity and High Current Capability
- Epoxy Meets UL 94 V-0 Flammability Rating
- Lead Free Finish/RoHS Compliant(Note 1) ("P" Suffix Designates Compliant. See Ordering Information)
- High Junction Temperature Capability

Maximum Ratings

- Operating Junction Temperature Range: -55°C to +175°C
- Storage Temperature Range: -55°C to +175°C
- Typical Thermal Resistance: 0.5°C/W Junction to Case

MCC Part Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
MBR20150PT	MBR20150PT	150V	105V	150V

Electrical Characteristics @ 25°C Unless Otherwise Specified

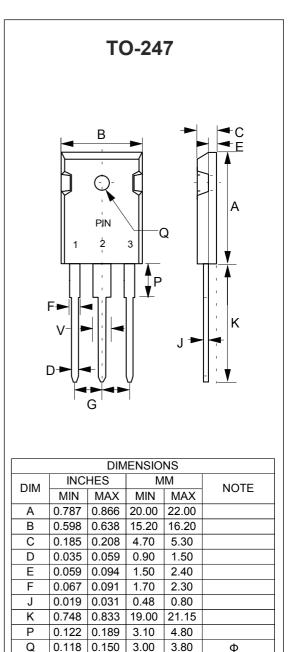
Average Forward Current	I _{F(AV)}	20A	T _C =130°C
Peak Forward Surge Current	I _{FSM}	135A	8.3ms,Half Sine Wave
Instantaneous Forward Voltage	V _F	0.88V(Max) 0.85V(Typ) 0.80V(Max)	I _{FM} =10A; T _J =25°C I _{FM} =10A; T _J =125°C
Maximum Reverse Current at Rated DC Blocking Voltage	I _R	0.01mA 5mA	Tյ=25⁰C Tյ=125⁰C

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

Internal Structure:

PIN 1 PIN 2 PIN 3 PIN 2





V

G

0.106 0.134

0.197 0.224

2.70

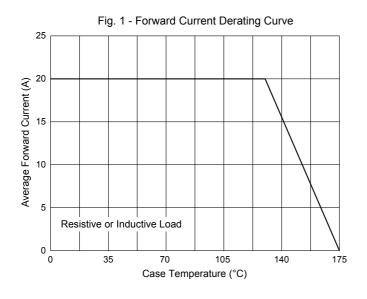
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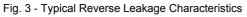
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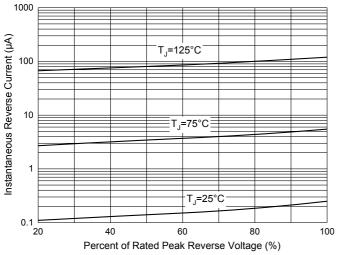
5.70

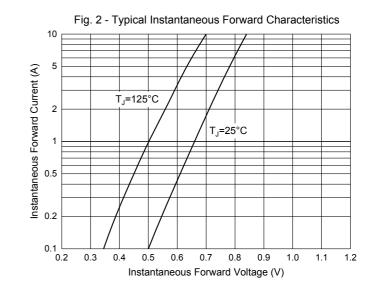


Curve Characteristics











Ordering Information

Device	Packing	
MBR20150PT-BP	Tube:30pcs/Tube, 360pcs/Box,1.8K/Ctn;	

Note : Adding "-HF" Suffix For Halogen Free, eg. MBR20150PT-BP-HF

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