

Features

- High Junction Temperature Capability
- Lead Free Finish/RoHS Compliant(Note 1) ("P" Suffix Designates Compliant. See Ordering Information)
- Low Leakage Current
- 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: 150°C
- Storage Temperature Range: -50°C to +150°C
- Per diodeThermal Resistance 2.2°C/W Junction to Case
- Total Thermal Resistance 1.3°C/W Junction to Case

MCC Part Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
MBR20150FCT	MBR20150FCT	150V	105V	150V

Electrical Characteristics @ 25°C Unless Otherwise Specified

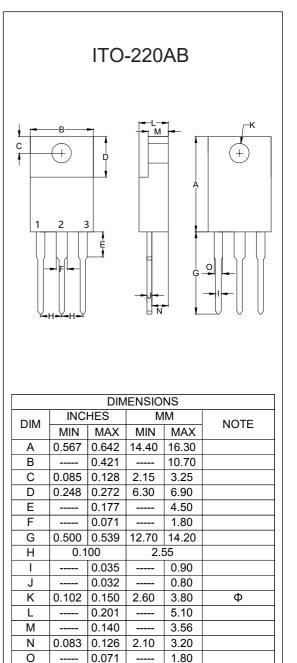
Average Forward Current	I _{F(AV)}	20A	T _C =100⁰C
Peak Forward Surge Current	I _{FSM}	150A	8.3ms,Half Sine Wave
Maximum Instantaneous Forward Voltage	V _F	0.92V 0.75V	I _{FM} =10A T _J =25°C I _{FM} =10A T _J =125°C
Maximum DC Reverse Current at Rated DC Blocking Voltage	I _R	25µA 5mA	Tյ=25⁰C Tյ=125⁰C

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

Internal Structure

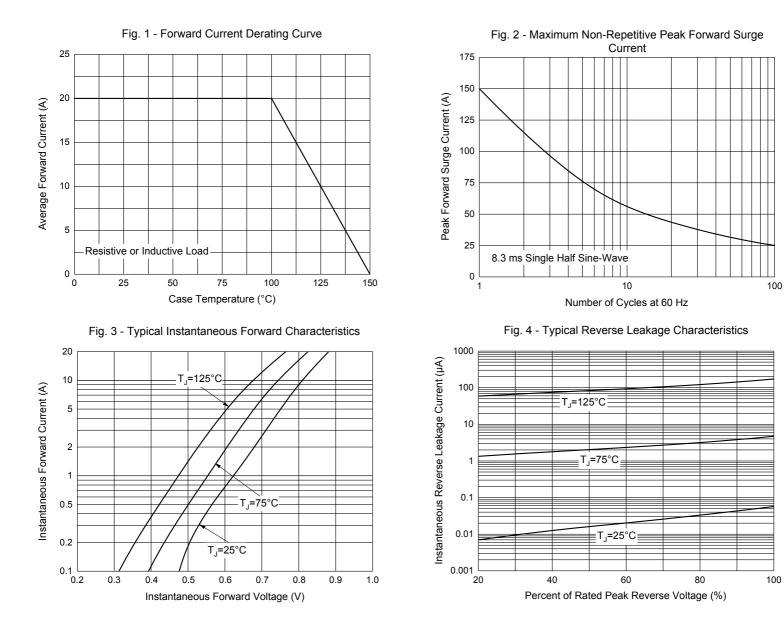


20 Amp High Voltage Power Schottky Barrier Rectifier 150 Volts





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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