

Features

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

Maximum Ratings

- Mounting Torgue: 5 in-lbs Maximum
- Operating Junction Temperature Range: -55°C to +150°C
- Storage Temperature Range: -55°C to +175°C
- Thermal Resistance: 2.0°C/W Junction to Case

MCC Part Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
MBR1620	MBR1620	20V	14V	20V
MBR1630	MBR1630	30V	21V	30V
MBR1635	MBR1635	35V	24.5V	35V
MBR1640	MBR1640	40V	28V	40V
MBR1645	MBR1645	45V	31.5V	45V
MBR1660	MBR1660	60V	42V	60V

Electrical Characteristics @ 25°C Unless Otherwise Specified

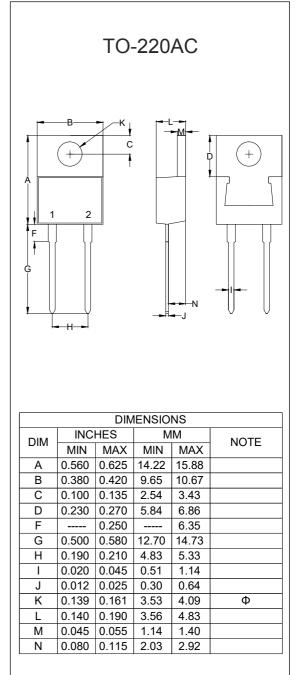
I _{F(AV)}	16A	T _C =125⁰C
I _{FSM}	150A	8.3ms,half sine
V _F	0.63V 0.75V 0.57V 0.65V	I _{FM} =16A T _J =25°C T _J =125°C
I _R	0.5mA 0.2mA 15mA 10mA	T _J =25°C T _J =25°C T _J =125°C T _J =125°C
CJ	450pF	Measured at 1.0MHz, V _R =4.0V
	I _{FSM} V _F	I _{FSM} 150A V _F 0.63V 0.75V 0.57V 0.65V I _R 0.5mA 0.2mA 15mA 10mA

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

Internal Structure

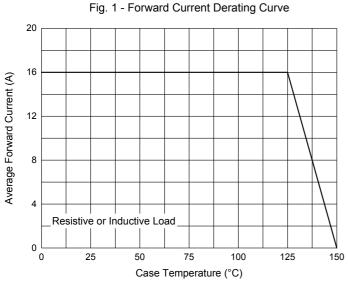
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PIN 1 OCASE
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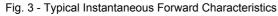
16 Amp Schottky Barrier Rectifier 20 to 60 Volts

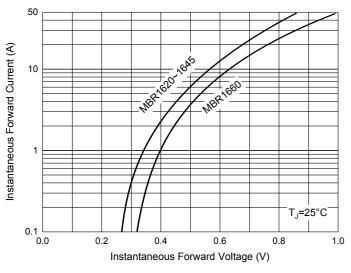


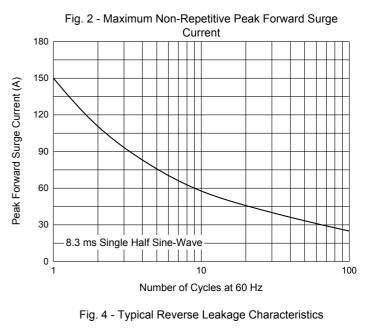


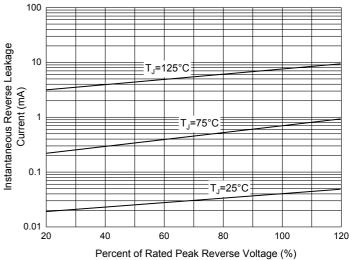
Curve Characteristics













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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