

Features

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

Maximum Ratings

- Operating Junction Temperature Range: -55°C to +150°C
- Storage Temperature Range: -55°C to +150°C
- Typical Thermal Resistance: 2°C/W Junction to Case

MCC Part Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
MBRL1535	MBRL1535	35V	24.5V	35V
MBRL1545	MBRL1545	45V	31.5V	45V

Electrical Characteristics @ 25°C Unless Otherwise Specified

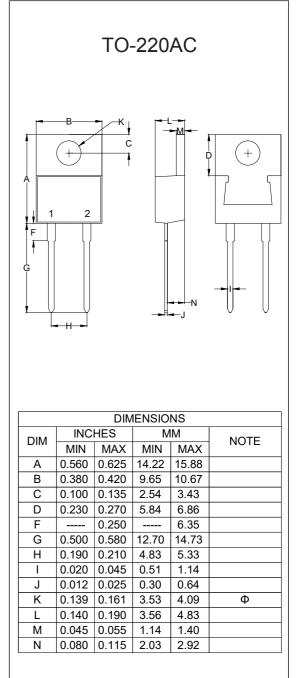
Average Rectified Forward Current (Rated VR-20Khz Square Wave) - 50% Duty Cycle	I _{F(AV)}	15A	T _C =120⁰C
Peak Forward Surge Current	I _{FSM}	250A	8.3ms,Half Sine Wave
Maximum Instantaneous Forward Voltage	V _F	0.49V(Typ) 0.52V(Max) 0.47V(Max)	I _F =15A T _J =25⁰C T _J =125⁰C
Maximum DC Reverse Current at Rated DC Blocking Voltage	I _R	0.15mA 5mA	Tյ=25⁰C Tj=75⁰C

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

Internal Structure

PIN 1 OCASE

15 Amp Schottky Barrier Rectifier 35 to 45 Volts





Curve Characteristics

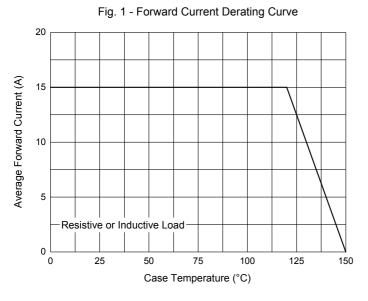
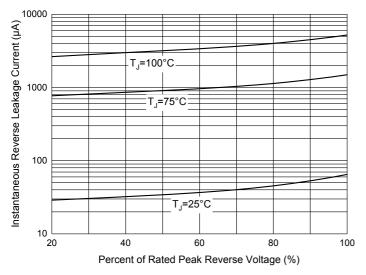
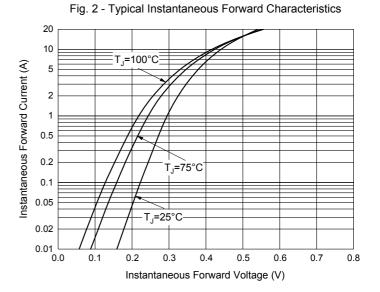


Fig. 3 - Typical Reverse Leakage Characteristics







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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