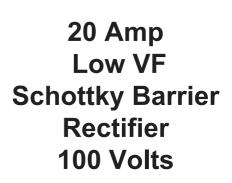


Features

- High Frequency Operation
- Low Forward Voltage Drop
- Lead Free Finish/RoHS Compliant(Note 1) ("P" Suffix Designates Compliant. See Ordering Information)
- Halogen Free Available Upon Request By Adding Suffix "-HF"
- 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
- Maximum Thermal Resistance : 2.0°C/W Junction to Case

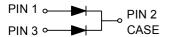
MCC Part Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
MBRL20U100FCT	MBRL20U100FCT	100V	70V	100V

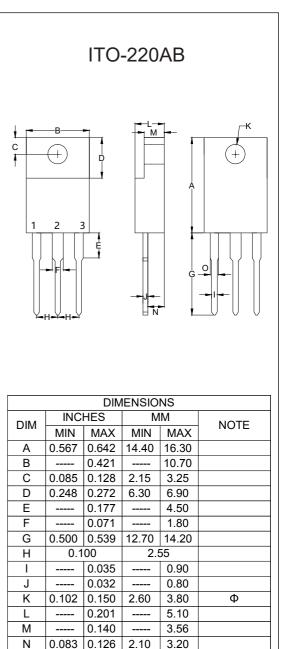
Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current	I _{F(AV)}	20A	T _C =100⁰C
Peak Forward Surge Current	I _{FSM}	250A	8.3ms,Half Sine
Current Squared Time	l²t	260A ² S	1ms≤t<8.3ms Tյ=25⁰C
Maximum Instantaneous Forward Voltage	V _F	0.65V	I _{FM} =10A
Maximum DC Reverse Current at Rated DC Blocking Voltage	I _R	0.1mA 10mA	T _J =25⁰C T _J =100ºC

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

Internal Structure:





0.071

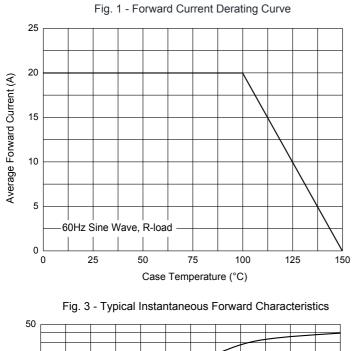
1.80

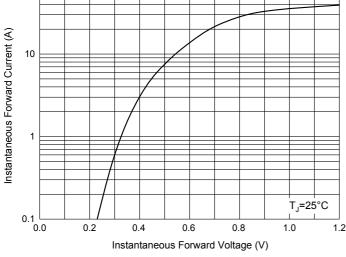
0

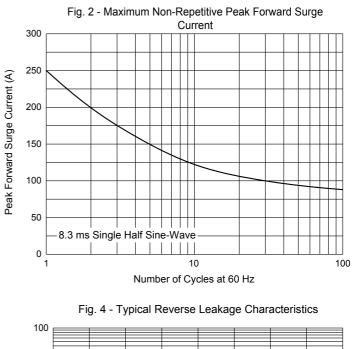


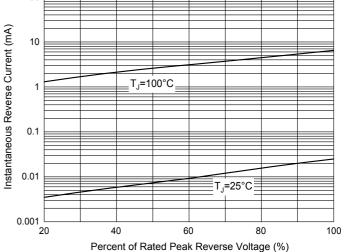


Curve Characteristics











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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