

Features

- Lead Free Finish/RoHS Compliant (Note1) ("P"Suffix Designates Compliant. See Ordering Information)
- Halogen Free Available Upon Request By Adding Suffix "-HF"
- 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(Per Leg): 3°C/W Junction to Case

MCC Part Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
MBRD20100	MBRD20100	100V	70V	100V

Electrical Characteristics @ 25°C Unless Otherwise Specified

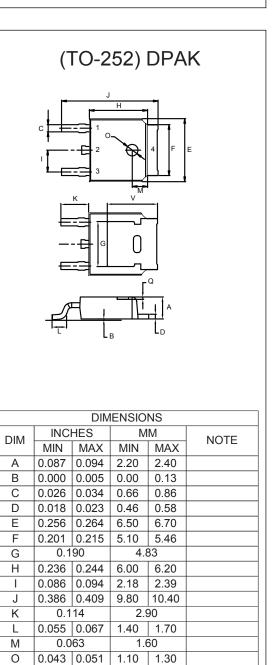
Average Forward Current	I _{F(AV)}	20A	T _C =115°C
Peak Forward Surge Current	I _{FSM}	200A	8.3ms,Half Sine
Maximum Instantaneous Forward Voltage	V _F	0.71V(Typ) 0.76V 0.68V	I _F =20A;T _J =25°C I _F =20A;T _J =25°C I _F =20A;T _J =125°C
Maximum DC Reverse Current at Rated DC Blocking Voltage	I _R	50μΑ 25mA	Tյ=25⁰C Tյ=125⁰C

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

Internal Structure:

PIN 3

20 Amp Schottky Barrier Rectifier 100 Volts



Q

V

0.000 0.012

0.211

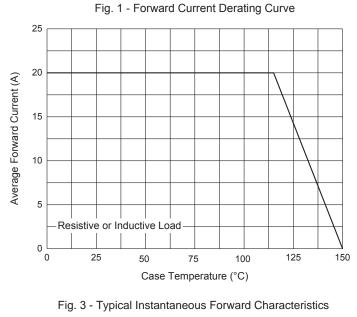
0.00 0.30

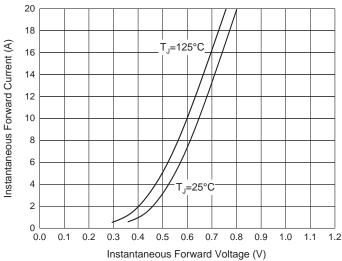
5.35

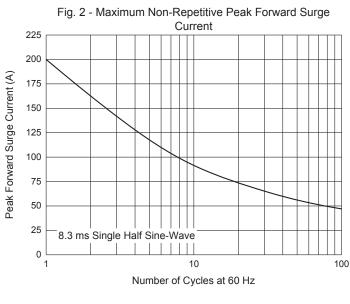


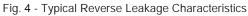


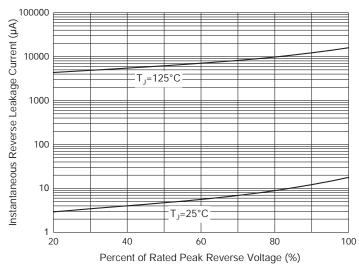
Curve Characteristics













Ordering Information

Device	Packing	
Part Number-TP	Tape&Reel: 2.5Kpcs/Reel	

Note : Adding "-HF" Suffix For Halogen Free, eg. Part Number-TP-HF

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