

Features

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

Maximum Ratings

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

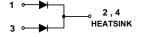
MCC Part Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
MBRB10150CT	MBRB10150CT	150V	105V	150V

Electrical Characteristics @ 25°C Unless Otherwise Specified

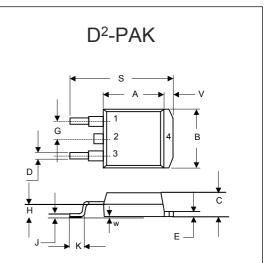
Average Forward Current	I _{F(AV)}	10A	T _C =125⁰C	
Peak Forward Surge Current	I _{FSM}	120A	8.3ms,Half Sine	
Maximum Instantaneous Forward Voltage	V _F	0.92V 0.75V	I _{FM} =5.0A; T _J =25°C I _{FM} =5.0A; T _J =125°C	
Maximum DC Reverse Current at Rated DC Blocking Voltage	I _R	10μΑ 2mA	Tյ=25⁰C Tյ=125⁰C	

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

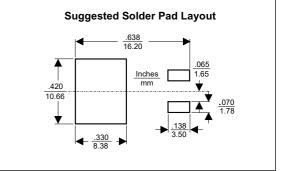
Internal Structure



10 Amp High Voltage Power Schottky Barrier Rectifier 150 Volts

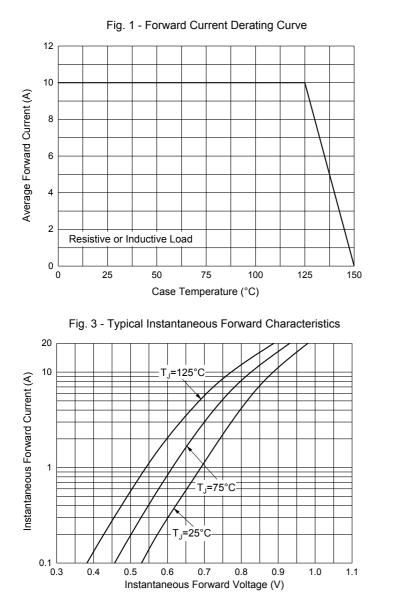


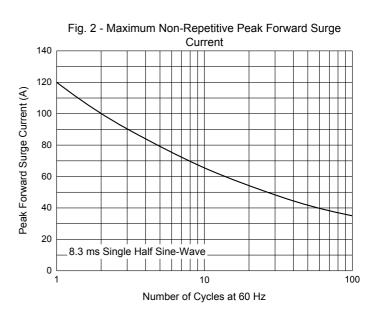
DIMENSIONS					
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	NOTE
Α	0.331	0.370	8.40	9.40	
В	0.378	0.417	9.60	10.60	
С	0.165	0.189	4.20	4.80	
D	0.027	0.037	0.68	0.94	
Е	0.045	0.055	1.14	1.40	
G	0.0	010	2.	54	TYP.
Н	0.096	0.134	2.43	3.40	
J	0.011	0.025	0.28	0.64	
Κ	0.071	0.131	1.80	3.32	
S	0.575	0.625	14.60	15.87	
V	0.042	0.058	1.07	1.47	
W	0.000	0.010	0.00	0.25	



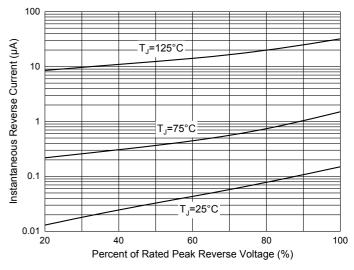


Curve Characteristics











Ordering Information

Device	Packing		
Part Number-TP	Tape&Reel: 800pcs/Reel		
Part Number-BP	Tube: 5Kpcs/Ctn		

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

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