

Features

- Multilayer Metal -Silicon Potential Structure.
- Low Voltage High Frequency Inverter Application.
- Epoxy Meets UL 94 V-0 Flammability Rating
- 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
- Typical Thermal Resistance: 0.5°C/WJunction to Case

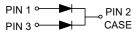
MCC Part Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
MBR60200PT	MBR60200PT	200V	200V	200V

Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current (Rated VR-20Khz Square Wave)-50% Duty Cycle	I _{F(AV)}	60A(Per Device) 30A(Per Diode)		
Peak Forward Surge Current	I _{FSM}	450A	8.3ms,Half Sine Wave	
Maximum Instantaneous Forward Voltage	V _F	0.83V(Typ) 0.90V(Max) 0.80V(Max)	I _{FM} =30A; T _J =25°C I _{FM} =30A; T _J =125°C	
Maximum Reverse Current at Rated DC Blocking Voltage	I _R	0.02mA 10mA	Tյ=25°C Tյ=125°C	

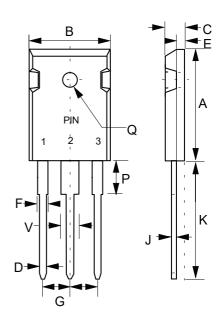
Note:1. High Temperature Solder Exemptions Applied, See EU Directive Annex 7a.

Internal Structure



60 Amp Schottky Barrier Rectifier 200 Volts

TO-247



DIMENSIONS							
DIM	INCHES		MM		NOTE		
Dilvi	MIN	MAX	MIN	MAX	NOTE		
Α	0.787	0.866	20.00	22.00			
В	0.598	0.638	15.20	16.20			
С	0.185	0.208	4.70	5.30			
D	0.035	0.059	0.90	1.50			
E	0.059	0.094	1.50	2.40			
F	0.067	0.091	1.70	2.30			
J	0.019	0.031	0.48	0.80			
K	0.748	0.833	19.00	21.15			
Р	0.122	0.189	3.10	4.80			
Q	0.118	0.150	3.00	3.80	Ф		
V	0.106	0.134	2.70	3.40			
G	0.197	0.224	5.00	5.70			



Curve Characteristics

Fig. 1 - Typical Instantaneous Forward Characteristics

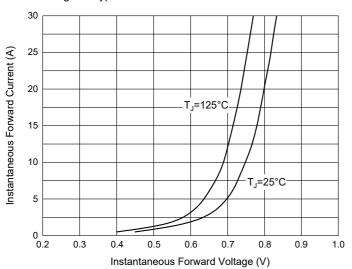
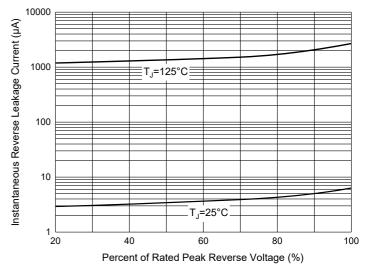


Fig. 2 - Typical Reverse Leakage Characteristics





Ordering Information

Device	Packing		
Part Number-BP	Tube:30pcs/Tube, 360pcs/Box,1.8K/Ctn;		

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

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