



Micro Commercial Components



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MBR40200PT

**40 Amp
Schottky
Barrier Rectifier
200Volts**

Features

- Multilayer Metal -Silicon Potential Structure.
- Have Over Voltage protect loop, high reliability.
- Low Voltage High Frequency Invers Circuit.
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- Lead Free Finish/Rohs Compliant (Note1) ("P" Suffix designates Compliant. See ordering information)

Maximum Ratings

- Operating Junction Temperature: -55°C to +150°C
- Storage Temperature: -55°C to +150°C
- Typical Thermal Resistance, Junction to Case: 0.5°C/W

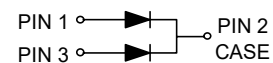
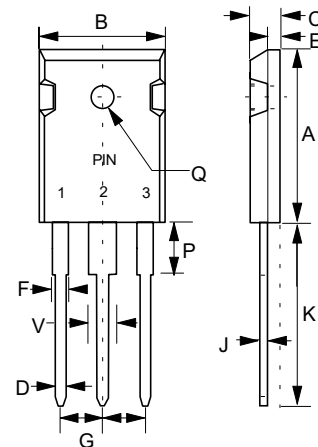
MCC Catalog Number	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
MBR40200PT	200 V	140V	200 V

Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current (Rated VR-20Khz Square Wave) - 50% duty cycle	$I_{F(AV)}$	40 A	$T_C = 110^\circ\text{C}$
Peak Forward Surge Current	I_{FSM}	250A	8.3ms, half sine wave
Maximum Instantaneous Forward Voltage	V_F	.86V(typ.) .91V(max) .80V	$I_{FM} = 20\text{A}$ $T_J = 25^\circ\text{C}$ $I_{FM} = 20\text{A}$ $T_J = 125^\circ\text{C}$
Maximum Reverse Current At Rated DC Blocking Voltage	I_R	0.05mA 25 mA	$T_J = 25^\circ\text{C}$ $T_J = 125^\circ\text{C}$

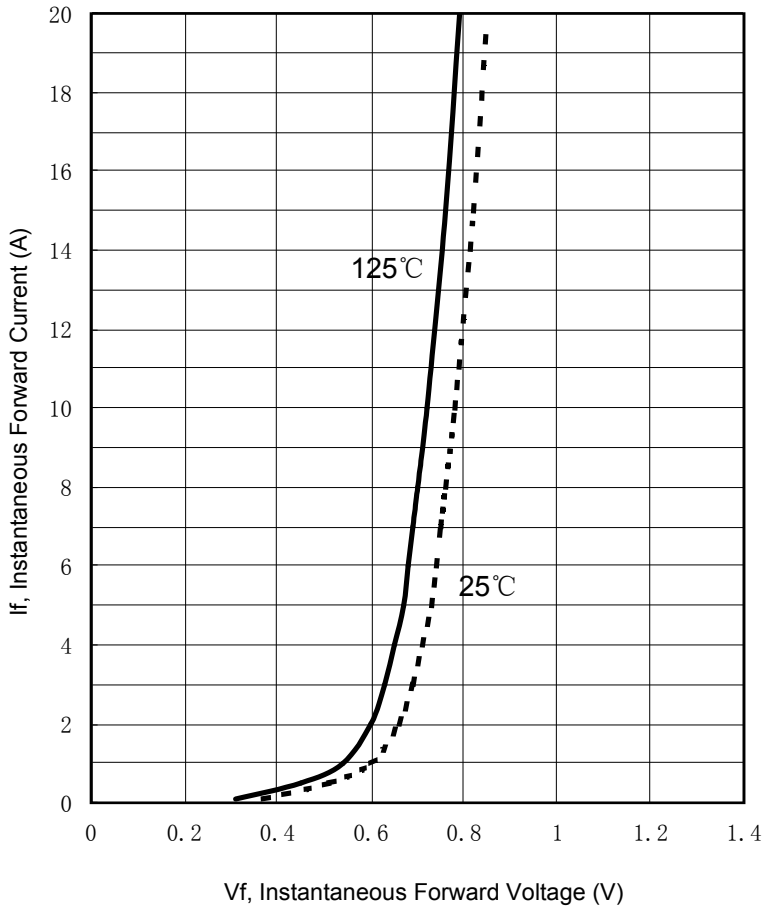
Notes: 1. High Temperature Solder Exemption Applied, see EU Directive Annex 7.

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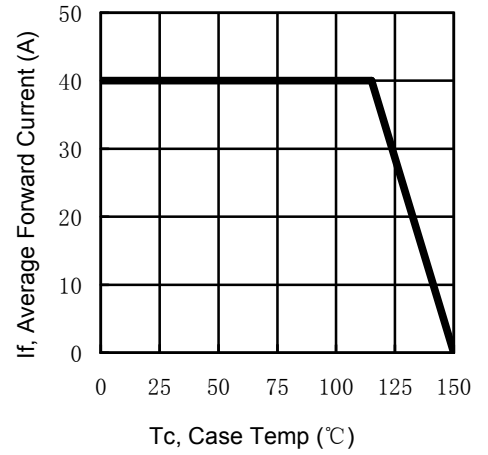


DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.787	.866	20.00	22.00	
B	.598	.638	15.20	16.20	
C	.185	.205	4.70	5.21	
D	.039	.055	1.00	1.40	
E	.059	.094	1.50	2.40	
F	.071	.091	1.80	2.30	
J	.019	.031	0.48	0.80	
K	.748	.827	19.00	21.00	
P	.122	.189	3.10	4.80	
Q	.118	.150	3.00	3.80	
V	.110	.134	2.80	3.40	
G	.197	.224	5.00	5.70	

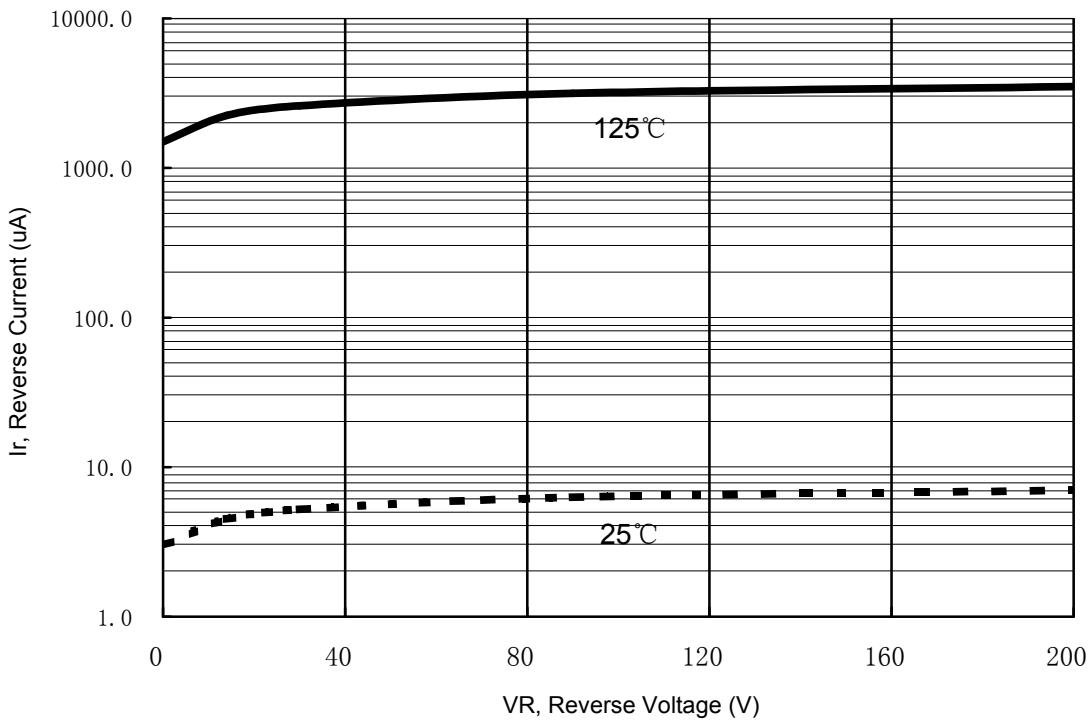
The forward voltage and forward current curve



Current derating curve, per element



The reverse leak current and the reverse voltage (single-device) curve.





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Ordering Information :

Device	Packing
Part Number-BP	Bulk: 360pcs/Box

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