Micro Commercial Components

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MBR10200FCT

10 Amp High Voltage Power Schottky Barrier Rectifier 200 Volts

Features

- High Junction Temperature Capability
- Low Forward Voltage
- Marking: type number
- Lead Free Finish/RoHS Compliant(Note 1) ("P" Suffix designates RoHS Compliant. See ordering information)
- Case Material: Molded Plastic. UL Flammability Classification Rating 94V-0 and MSL Rating 1

Maximum Ratings

- Thermal Resistance,Junction to Case per Leg:RthJC=4.0°C/W
  Junction to Ambient per Leg:RthJA=4.0°C/W
- Operating Junction Temperature: -50°C to +150°C
- Storage Temperature: -50°C to +150°C

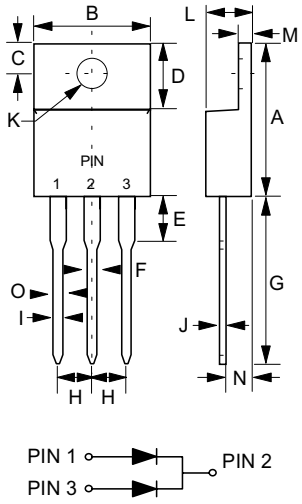
MCC Catalog Number	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
MBR10200FCT	200V	140V	200V

Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current	$I_{F(AV)}$	10 A	T_C = 100°C
Peak Forward Surge Current	I_{FSM}	125A	8.3ms, half sine
Maximum Instantaneous Forward Voltage	V_F	.92V .82V	I_F = 5A; T_J = 25°C I_F = 5A; T_J = 125°C
Maximum DC Reverse Current At Rated DC Blocking Voltage	I_R	500uA 7mA	T_J = 25°C T_J =100°C

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

ITO-220AB

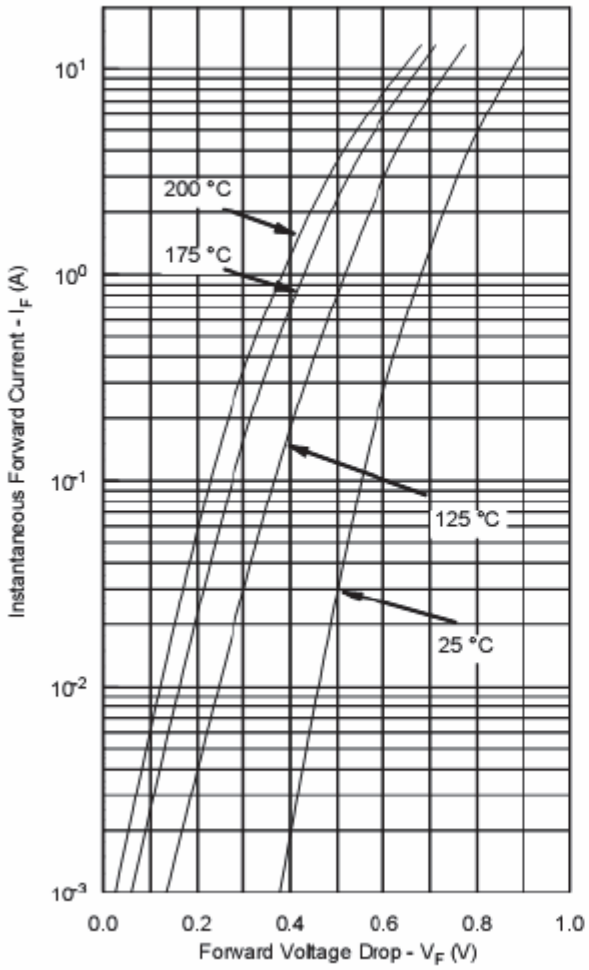


DIMENSIONS					
	INCHES		MM		
DIM	MIN	MAX	MIN	MAX	NOTE
A	.583	.642	14.80	16.30	
B	---	.406	---	10.30	
C	.100	.112	2.55	2.85	
D	.248	.272	6.30	6.90	
E	---	.161	---	4.10	
F	---	.071	---	1.80	
G	.512	.543	13.00	13.80	
H	.100		2.55		
I	---	.035	---	0.90	
J	---	.032	---	0.80	
K	.110	.134	2.80	3.40	∅
L	---	.189	---	4.80	
M	---	.130	---	3.30	
N	.098	.114	2.50	2.90	
O	---	.055	---	1.40	

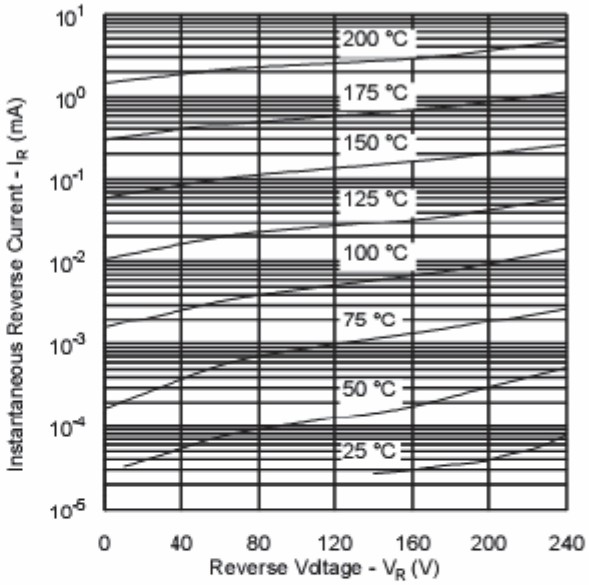
Rating and Characteristic Curves

(Tc=25℃ Unless otherwise noted)

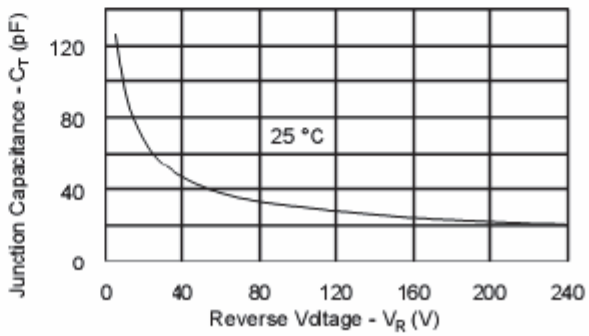
Typical Forward Characteristics



Typical Reverse Characteristics



Typical Junction Capacitance



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Ordering Information

Device	Packing
(Part Number)-BP	Bulk;1Kpcs/Box

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