## Schottky Barrier Rectifier multicomp





### Features:

- Metal of silicon rectifier, majority carrier conduction
- Guard ring for transient protection
- Low power loss, high efficiency
- High current capability, low VF
- High surge capacity
- Plastic package has UL flammability classification 94V-0
- For use in low voltage, high frequency inverters, free wheeling, and polarity protection applications

### **Mechanical Data:**

Case : TO-220AB molded plastic Polarity : As marked on the body Weight : 0.08 ounces, 2.24 grams

Mounting Position : Any Reverse Voltage : 200 Volts **Forward Current** : 10 Amperes

### **Maximum Ratings and Electrical Characteristics:**

Rating at 25°C ambient temperature unless otherwise specified. Single phase, half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

Characteristics	Symbol	Value	Unit
Max. Recurrent Peak Reverse Voltage	VRRM	200	
Max. RMS Voltage	VRMS	140	V
Max. DC Blocking Voltage	VDC	200	
Max. Average Forward Rectified Current (See Fig.1)	I(AV)	10	
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load (JEDEC Method)	IFSM	125	A
Max. Forward Voltage at 5A, per leg	VF	0.09	V
Max. DC Reverse Current at at Rated DC Blocking Voltage at $T_J = 25^{\circ}C$	lR	0.05 20	mA
Typical Thermal Resistance (Note 3)	Rejc	2.0	°C/W
Operating Temperature Range	TJ	-65 to +175	°C
Storage Temperature Range	Tstg	-65 to +175	°C

#### Note:

1. Both Bonding and Chip structure are available.

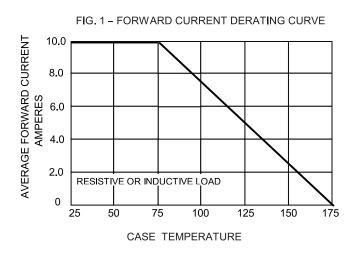
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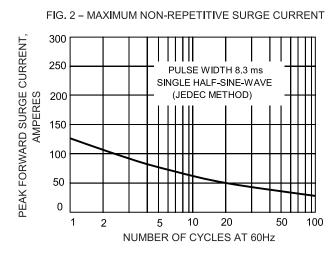


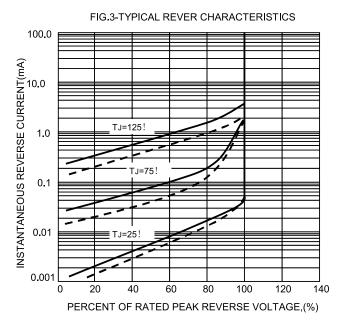
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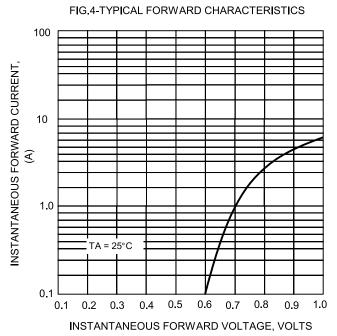


### **Ratings and Characteristic Curves**





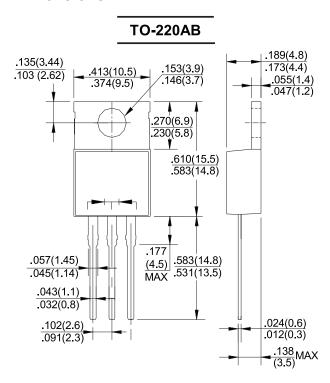




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### **Dimensions:**



Dimensions: Inches (Millimetres)

### **Part Number Table**

Description	Part Number
Schottky Barrier Rectifier	MBR10200CT

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