Schottky Barrier Rectifier





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	Values	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)	l(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 $T_J = 25^{\circ}C$ at Rated DC Blocking Voltage at $T_J = 125^{\circ}C$	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	Тѕтс	-65 to +175	°C

Note:

1. Both Bonding and Chip structure are available.

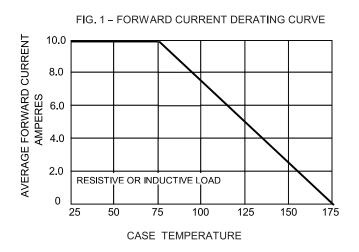
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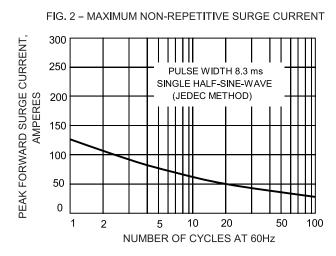


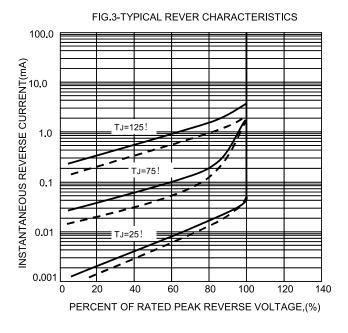
Schottky Barrier Rectifier multicomp PRO

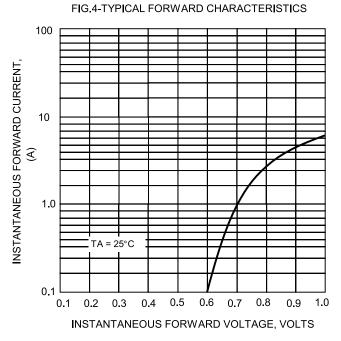


Ratings and Characteristic Curves





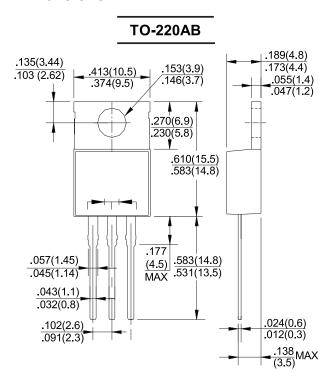




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Dimensions:



Dimensions: Inches (Millimetres)

Part Number Table

Description	Part Number	
Schottky Barrier Rectifier	MBR10200CT+	

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