

MBR10150CT thru MBR10200CT

SCHOTTKY BARRIER RECTIFIERS

REVERSE VOLTAGE - 150 to 200 Volts FORWARD CURRENT - 10.0 Amperes

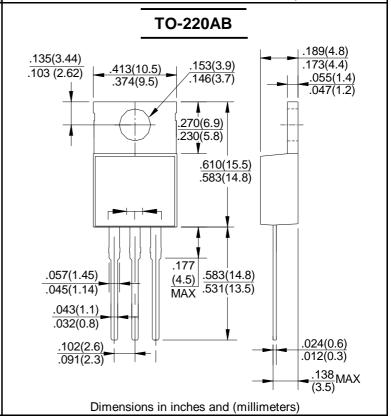
FEATURES

- 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: 0.08ounces,2.24 grams

Mounting position :Any



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25℃ ambient temperature unless otherwise specified.

Single phase, half wave ,60Hz, resistive or inductive load.

For capacitive load, derate current by 20%

CHARACTERISTICS	SYMBOL	MBR10150CT	MBR10200CT	UNIT
Maximum Recurrent Peak Reverse Voltage	VRRM	150	200	V
Maximum RMS Voltage	VRMS	105	140	V
Maximum DC Blocking Voltage	VDC	150	200	V
Maximum Average Forward Rectified Current (See Fig.1)	I(AV)	10		А
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load (JEDEC Method)	IFSM	125		А
Maximum Forward Voltage at 5A, per leg	VF	0.9		V
Maximum DC Reverse Current @TJ=25℃ at Rated DC Bolcking Voltage @TJ=125℃	IR	0.05 20		mA
Typical Thermal Resistance	Rejc	2.0		°C/W
Operating Temperature Range	TJ	-65 to +175		$^{\circ}$ C
Storage Temperature Range	Тѕтс	-65 to +175		$^{\circ}$

NOTES:1. Both Bonding and Chip structure are available.

RATING AND CHARACTERTIC CURVES MBR10150CT thru MBR10200CT



