

MBRB2035CT THRU MBRB20200CT

20.0 A Schottky Barrier Rectifier



FEATURES

- * Low forward voltage drop
- * High current capability
- * High reliability
- * Low Power Loss, High Efficiency

MECHANICAL DATA

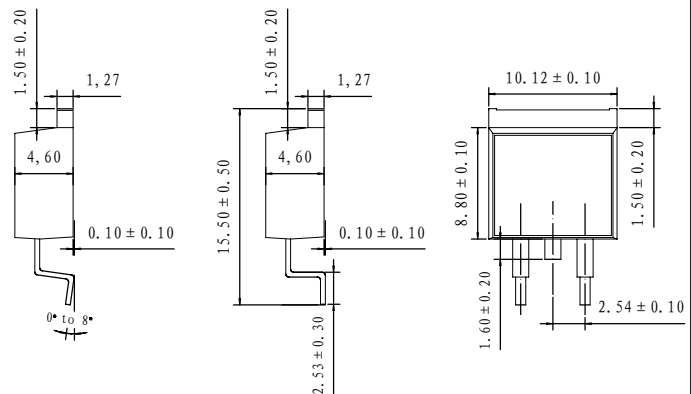
- * Case: Molded plastic
- * Epoxy: UL 94V-0 rate flame retardant
- * Lead: Axial leads, solderable per MIL-STD-202, method 208 guaranteed
- * Polarity: Color band denotes cathode end
- * Mounting position: Any
- * Weight: 1.98 grams

VOLTAGE RANGE

35 to 200 Volts

CURRENT

20.0 Ampere



Maximum Ratings and Electrical Characteristics

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

Type Number	Symbol	MBRB	MBRB	MBRB	MBRB	MBRB	MBRB	MBRB	MBRB	Unit
		2035 CT	2045 CT	2050 CT	2060 CT	2080 CT	20100 CT	20150 CT	20200 CT	
Maximum Repetitive Peak Reverse Voltage	VRRM	35	45	50	60	80	100	150	200	V
Maximum RMS Voltage	VRMS	24	31	35	42	56	70	105	140	V
Maximum DC Blocking Voltage	VDC	35	45	50	60	80	100	150	200	V
Maximum Average Forward Rectified Current	IF	20								A
Peak Forward Surge Current, 8.3 ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)	IFSM	120								A
Maximum Instantaneous Forward Voltage @10A	VF	0.75	0.85	0.9	0.95					V
Maximum Reverse Current @ Rated VR TA=25 °C TA=125 °C	IR	300 1500								uA
Typical Junction Capacitance (Note 1)	Cj	650								pF
Typical Thermal Resistance(Note 2)	RθJA	30								°C/w
Operating and Storage Temperature Range	TJ	-65--+150								°C

NOTE1. Measured at 1.0 MHz and applied reverse voltage of 4.0V D.C.

NOTE2. Leads maintained at ambient temperature at a distance of 9.5mm from the case

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RATINGS AND CHARACTERISTIC CURVES (MBRB2035CT THRU MBRB20200CT)

