

5 é / Descriptions

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Schottky Barrier Diode in a TO-220 Plastic Package, Adopt new mold.

□^a / Features

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Low power loss, high efficiency, HF product.

Đ ÷ / Applications

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For use in low voltage,high frequency inverters, free wheeling, and polarity protection applications.

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PIN1 ÖAnode

PIN 2 ÖCathode

PIN 3 ÖAnode

, M V / Marking

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See Marking Instructions.

Absolute Maximum Ratings($T_a=25^\circ\text{C}$;)

@ f Parameter	Symbol	f > Rating	% y Unit
Peak Repetitive Reverse Voltage	V_{RRM}	200	V
Working Peak Reverse Voltage	V_{RWM}	200	V
Average Rectified Output Current @60Hz sine wave,R-load, $T_a=25^\circ\text{C}$	I_o	20	A
Non-Repetitive Peak Forward Surge Current	I_{FSM}	150	A
Current Squared Time @1ms $0 < t < 8.3\text{ms}$ $T_j=25^\circ\text{C}$	I^2t	94	A ^2s
Thermal Resistance Junction to Case	R_{JC}	2.0	/W
Junction Temperature Range	T_j	175	
Storage Temperature Range	T_{stg}	-55 ~ 175	

Electrical Characteristics($T_a=25^\circ\text{C}$;)

@ f Parameter	Symbol	y i Ú ^ Test Conditions	Â 4 > Min	Á ° > Typ	Â Ý > Max	% y Unit
Forward Voltage	V_F	$I_F=10\text{A}(T_j=25^\circ\text{C})$			0.95	V
Instantaneous Reverse Current	I_R	$V_R=200\text{V}(T_j=25^\circ\text{C})$			0.1	mA
		$V_R=200\text{V}(T_j=125^\circ\text{C})$			20	mA

Ô ? d • Ž ¢ / Electrical Characteristic Curve

Ø □ =) ¢ / Package Dimensions

Dimensions in millimeters (1mm =0.0394")

, M y f / Marking Instructions

BR
CT ****
MBR20200

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Note:
BR: Company Code
MBR20200 y Product Type Code
CT: Internal Structure
****: Lot No. Code, code change with Lot No

