

BRMBR30200CTRA

Rev. B Jul.-2018

TO-220

Schottky Barrier Diode in a TO-220 Plastic Package.

Low power loss, high efficiency.

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



PIN1 Anode

PIN 2 Cathode

PIN 3 Anode

/ h_{FE} Classifications & Marking

See Marking Instructions

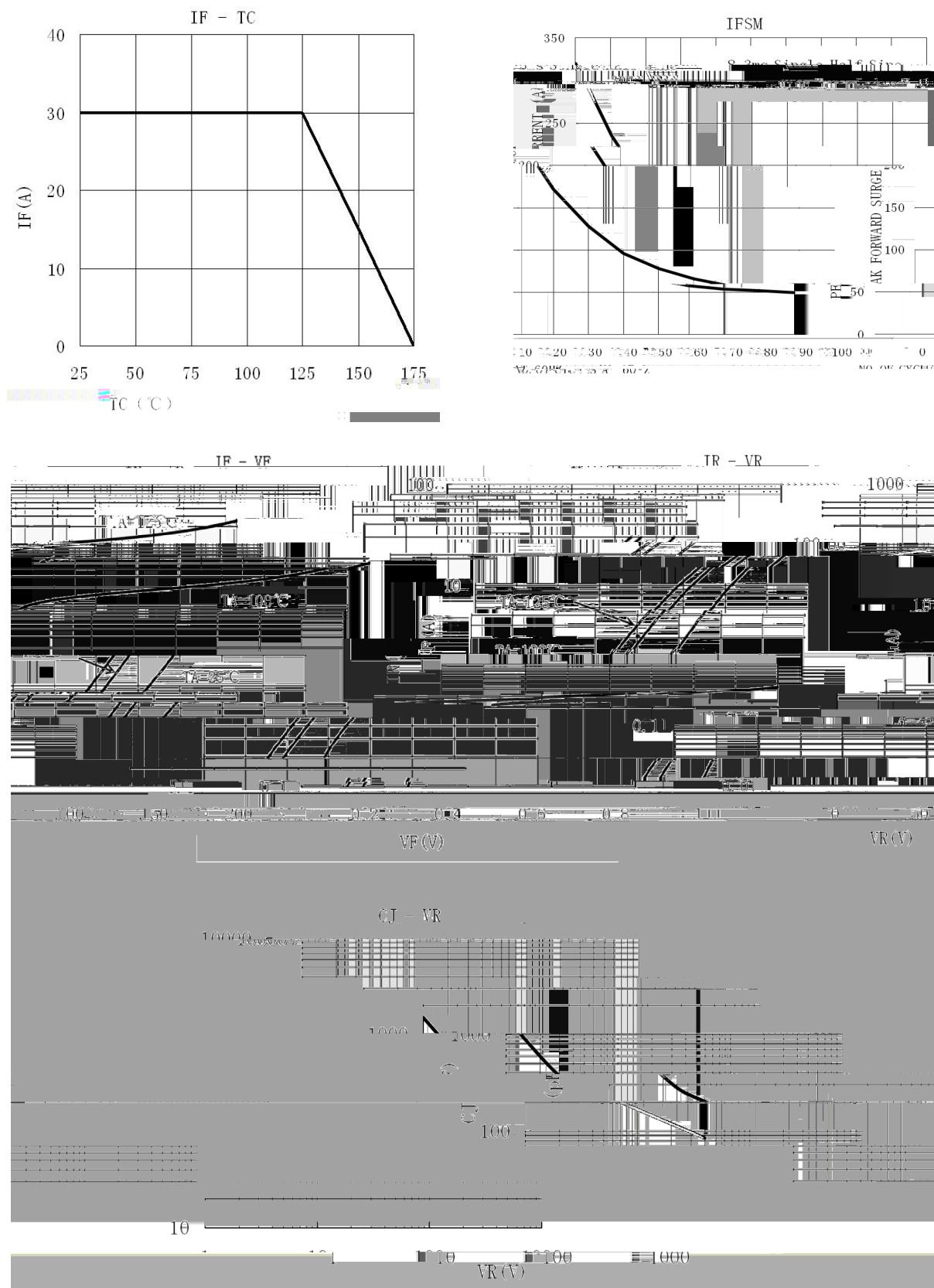
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Parameter	Symbol	Rating	Unit
Peak Repetitive Reverse Voltage	V_{RRM}	200	V
Working Peak Reverse Voltage	V_{RWM}	200	V
Average Rectified Forward Current	$I_{F(AV)}$	15	A
	$I_{F(AV) \text{ total}}$	30	A
Non-Repetitive Peak Forward Surge Current	I_{FSM}	320	A
Thermal Resistance Junction to Case	R_{JC}	2.2	/W
Junction Temperature Range	T_j	175	
Storage Temperature Range	T_{stg}	-40 175	

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Reverse Voltage	V _{BR R}	I _R =1mA(T _a =25)	200			V
Forward Voltage	V _F	I _F =15A(T _a =25)		0.86	0.92	V
		I _F =15A(T _a =125)			0.78	V
		I _F =20A(T _a =25)		0.89	0.95	V
		I _F =20A(T _a =125)			0.82	V
		I _R =200V(T _a =25)			100	uA
		I _R =200V(T _a =125)	5			mA

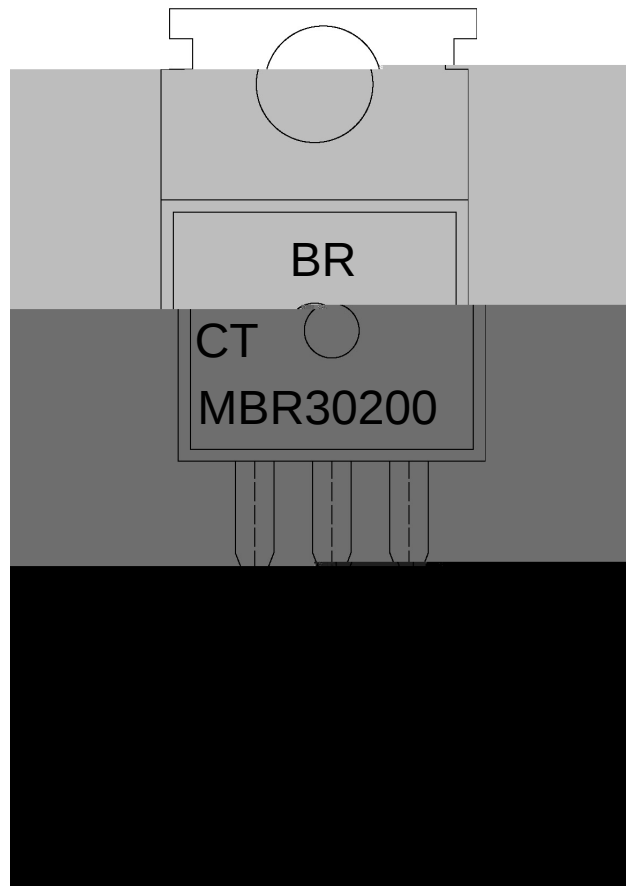
/ Electrical Characteristic Curve



/ Package Dimensions



/ Marking Instructions



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MBR30200

CT:

Note:

BR: Company Code

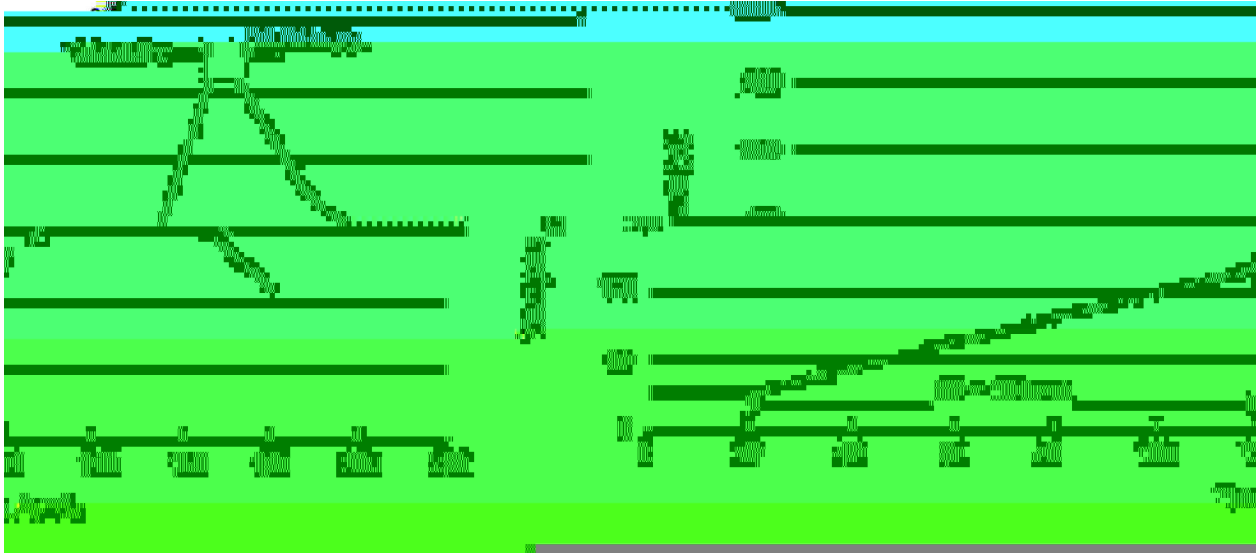
MBR30200 Product Type.

CT: Internal Structure

****: Lot No. Code, code change with Lot No.



() / Temperature Profile for Dip Soldering(Pb-Free)



Note:

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