

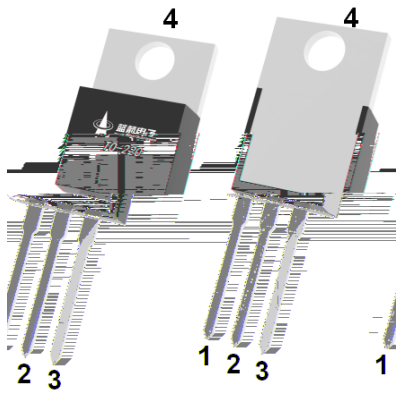
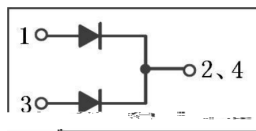
Rev.A Mar.-2025

TO-220

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

Low power loss, high efficiency, HF product.

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



PIN1 Anode

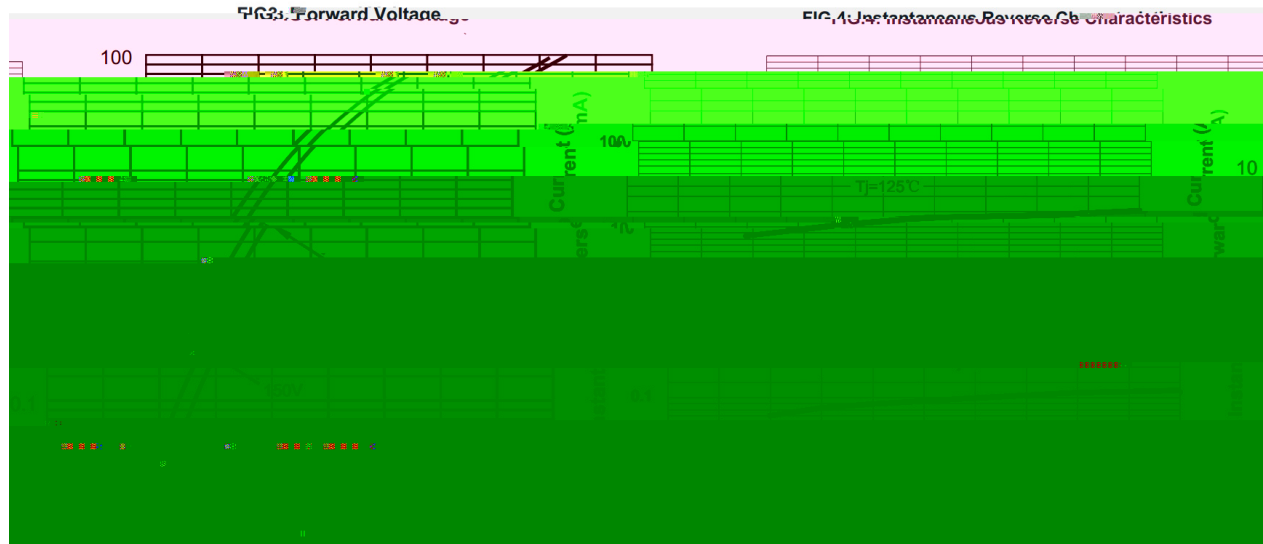
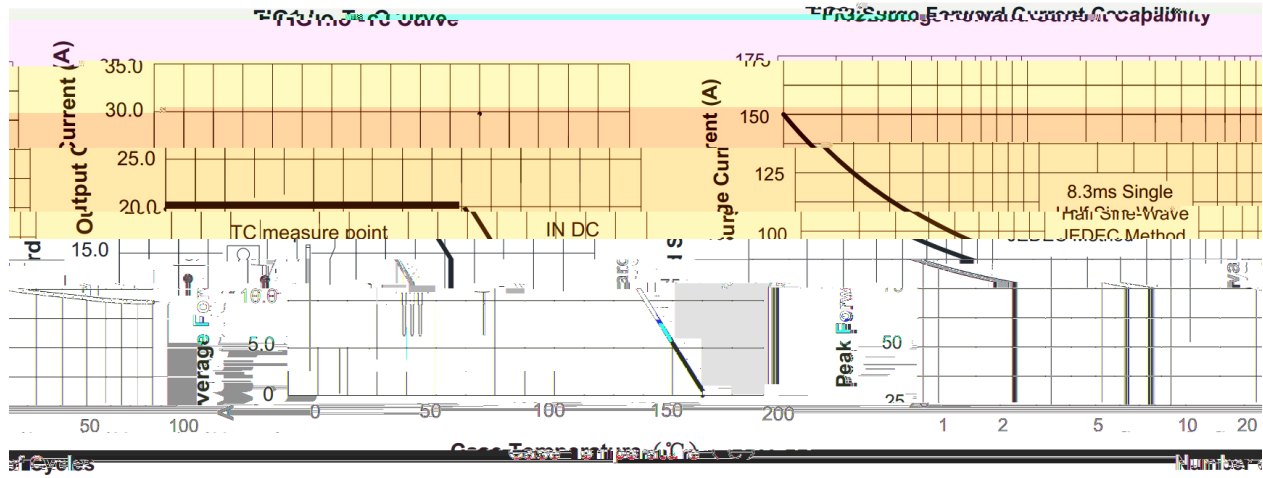
PIN 2 Cathode

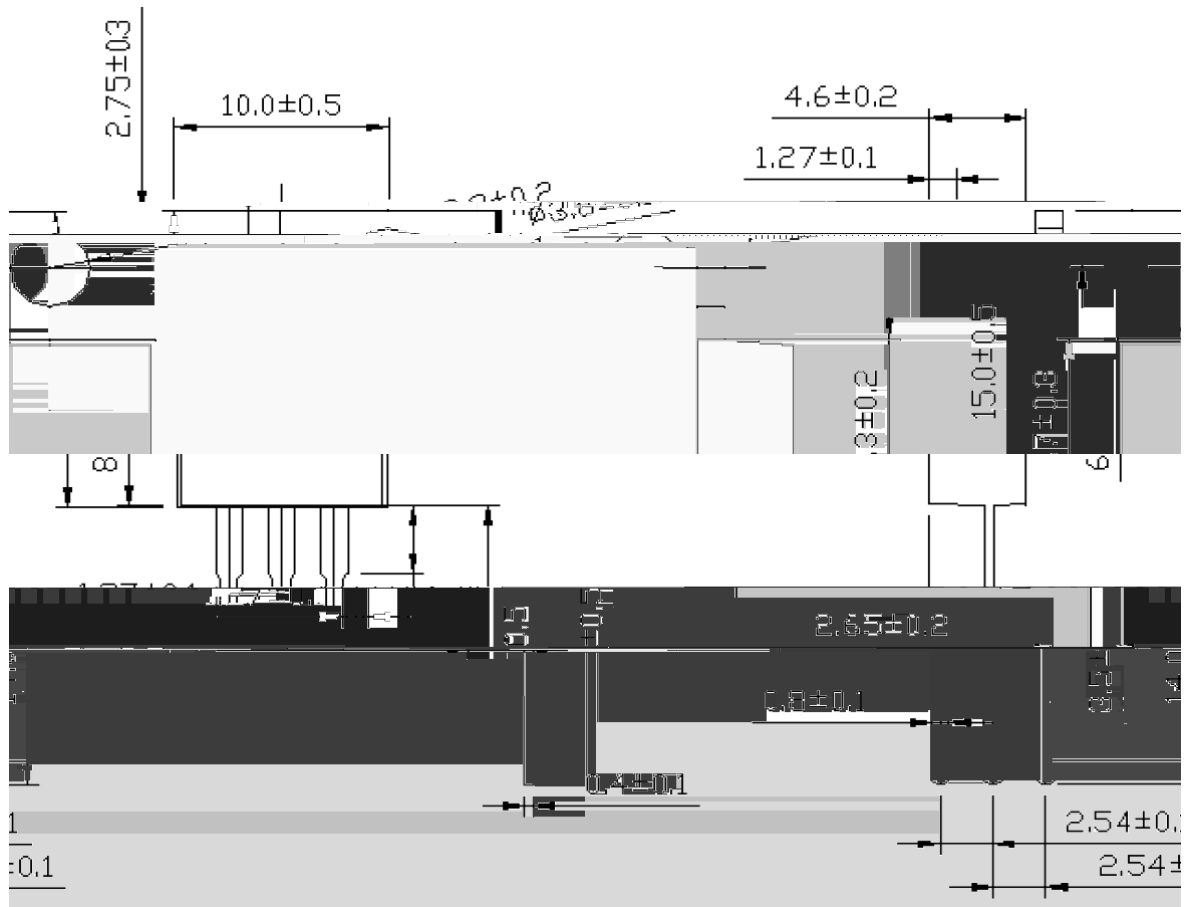
PIN 3 Anode

See Marking Instructions.

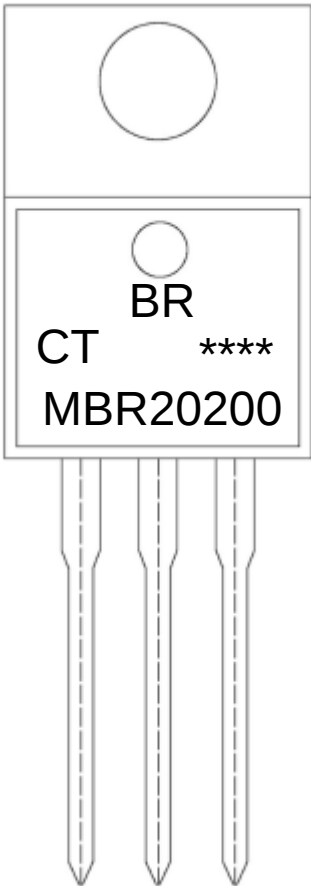
Parameter	Symbol	Rating	Unit
Peak Repetitive Reverse Voltage	V_{RRM}	200	V
Working Peak Reverse Voltage	V_{RWM}	200	V
Average Rectified Output Current @60Hz sine wave,R-load, Ta=25	I_o	20	A
Non-Repetitive Peak Forward Surge Current	I_{FSM}	150	A
Current Squared Time @1ms $t < 8.3ms$ $T_j = 25$	I^2T	94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

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Forward Voltage	V_F	$I_F = 10A(T_j = 25^\circ C)$			0.95	V
Instantaneous Reverse Current	I_R	$V_R = 200V(T_j = 25^\circ C)$			0.1	mA
		$V_R = 200V(T_j = 125^\circ C)$			20	mA



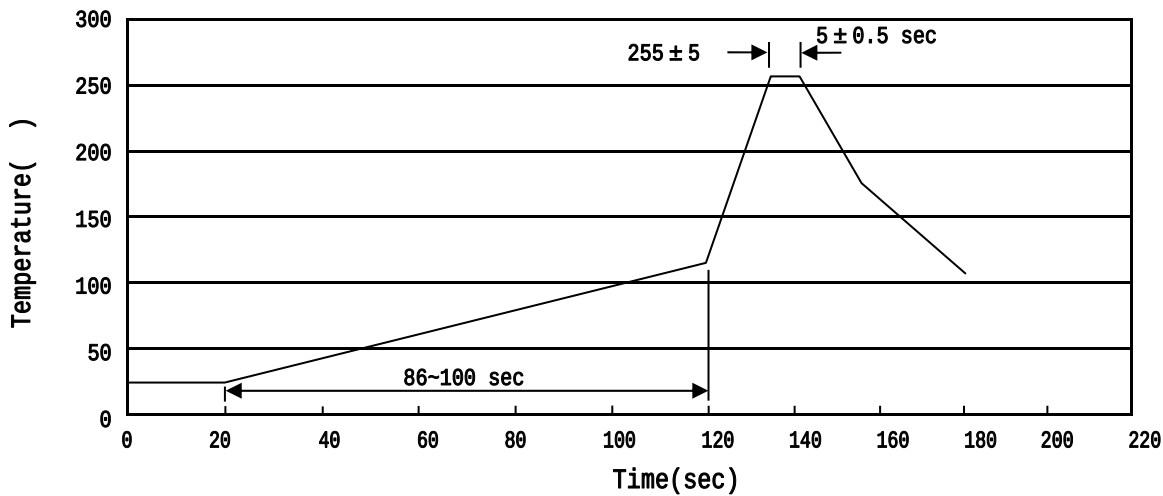


Dimensions in millimeters (1mm =0.0394")



BR	
MBR20200	
CT:	

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



Note:

- 1

25 150

60 90sec;

1.Preheating:25~150 , Time:60~90sec.
- 2

255±5

5±0.5sec;

2.Peak Temp.:255±5 , Duration:5±0.5sec.
- 3

2 10 /sec.

3. Cooling Speed: 2~10 /sec.

270±5

10±1 sec.

Temp.:270±5

Time:10±1 sec

/ BULK

Package Type 封装形式	Units 包装数量					Dimension 包装尺寸 (unit: mm³)		
	Units/Bag 只/袋	Bags/Inner Box 袋/盒	Units/Inner Box 只/盒	Inner Boxes/Outer Box 盒/箱	Units/Outer Box 只/箱	Bag 袋	Inner Box 盒	Outer Box 箱
TO-220/F	200	10	2,000	5	10,000	135×190	237×172×102	560×245×195

/ TUBE

Package Type 封装形式	Units 包装数量					Dimension 包装尺寸 (unit: mm³)		
	Units/Tube 只/套管	Tubes/Inner Box 套管/盒	Units/Inner Box 只/盒	Inner Boxes/Outer Box 盒/箱	Units/Outer Box 只/箱	Tube 套管	Inner Box 盒	Outer Box 箱
TO-220/F	50	20	1,000	5	5,000	532×31.4×5.5	555×164×50	575×290×180