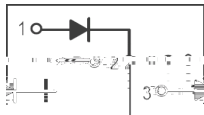


Schottky Barrier Diode in a TO-220 Plastic Package.

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

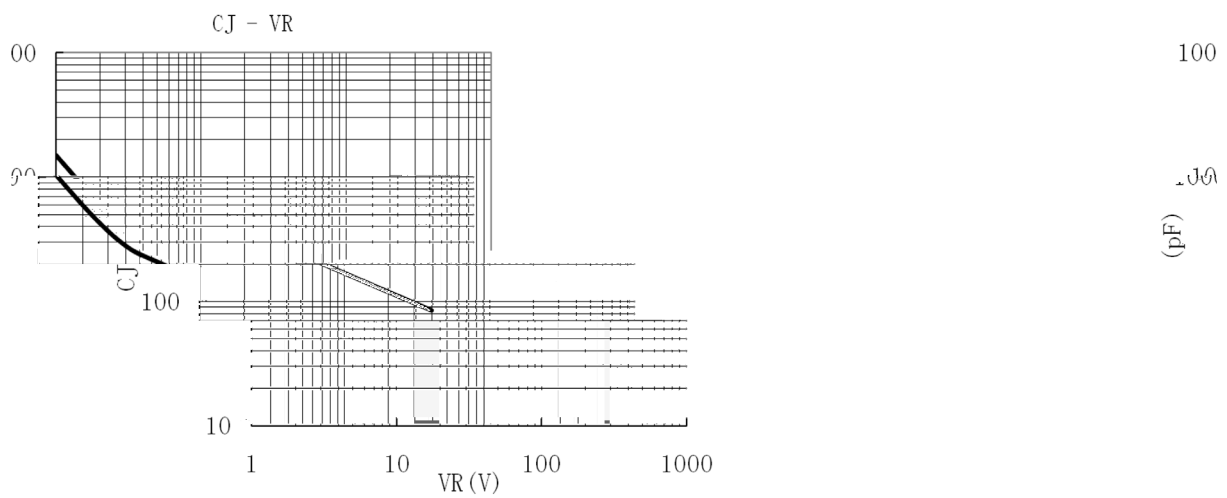
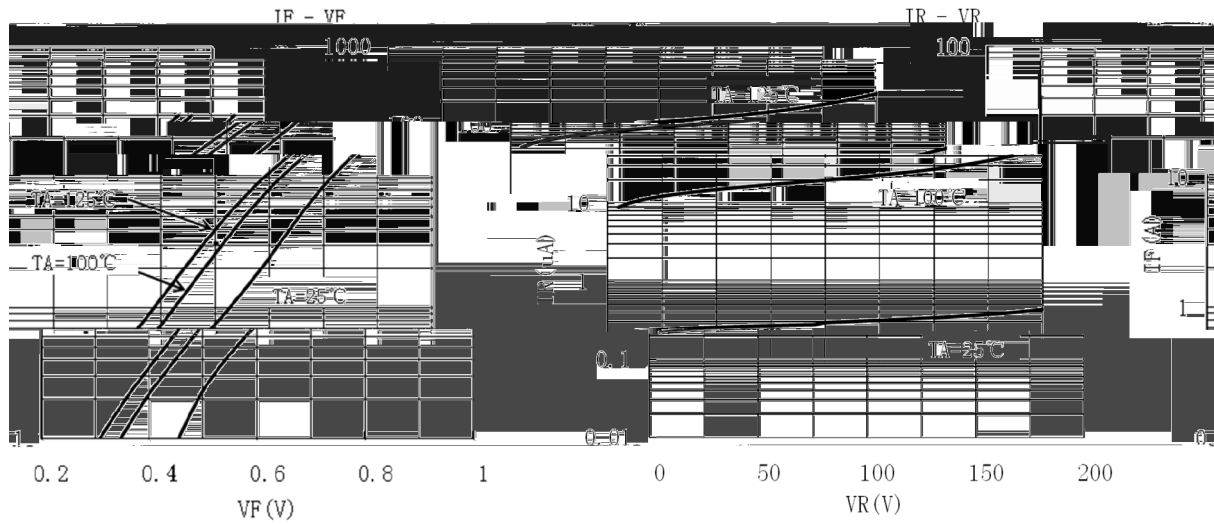
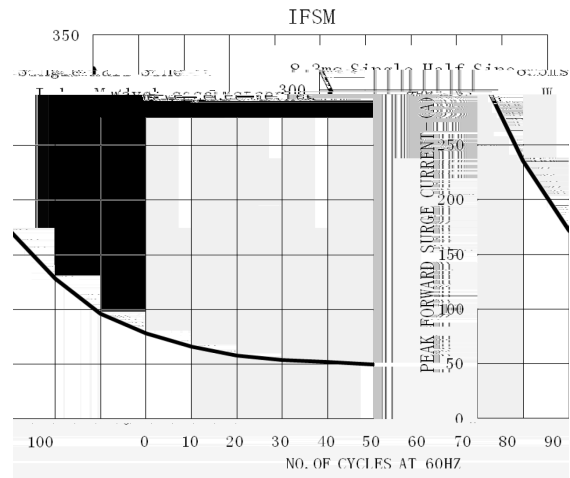
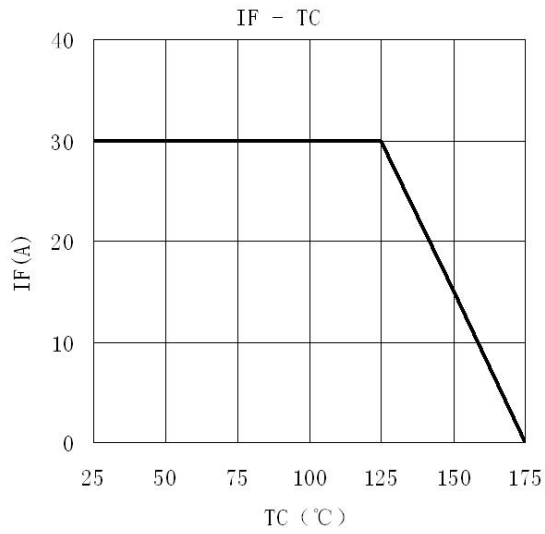
See Marking Instructions

Parameter	Symbol	Rating	Unit
Peak Repetitive Reverse Voltage	V_{RRM}	200	V
Working Peak Reverse Voltage	V_{RWM}	200	V
Average Rectified 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	$V_{BR R}$	$I_R=1mA(T_a=25^\circ C)$	200			V
Forward Voltage	V_F	$I_F=15A(T_a=25^\circ C)$		0.86	0.92	V
		$I_F=15A(T_a=125^\circ C)$			0.78	V
		$I_F=20A(T_a=25^\circ C)$		0.89	0.95	V
		$I_F=20A(T_a=125^\circ C)$			0.82	V
Instantaneous Reverse Current	I_R Note 1	$V_R=200V(T_a=25^\circ C)$			100	uA
		$V_R=200V(T_a=125^\circ C)$			5	mA

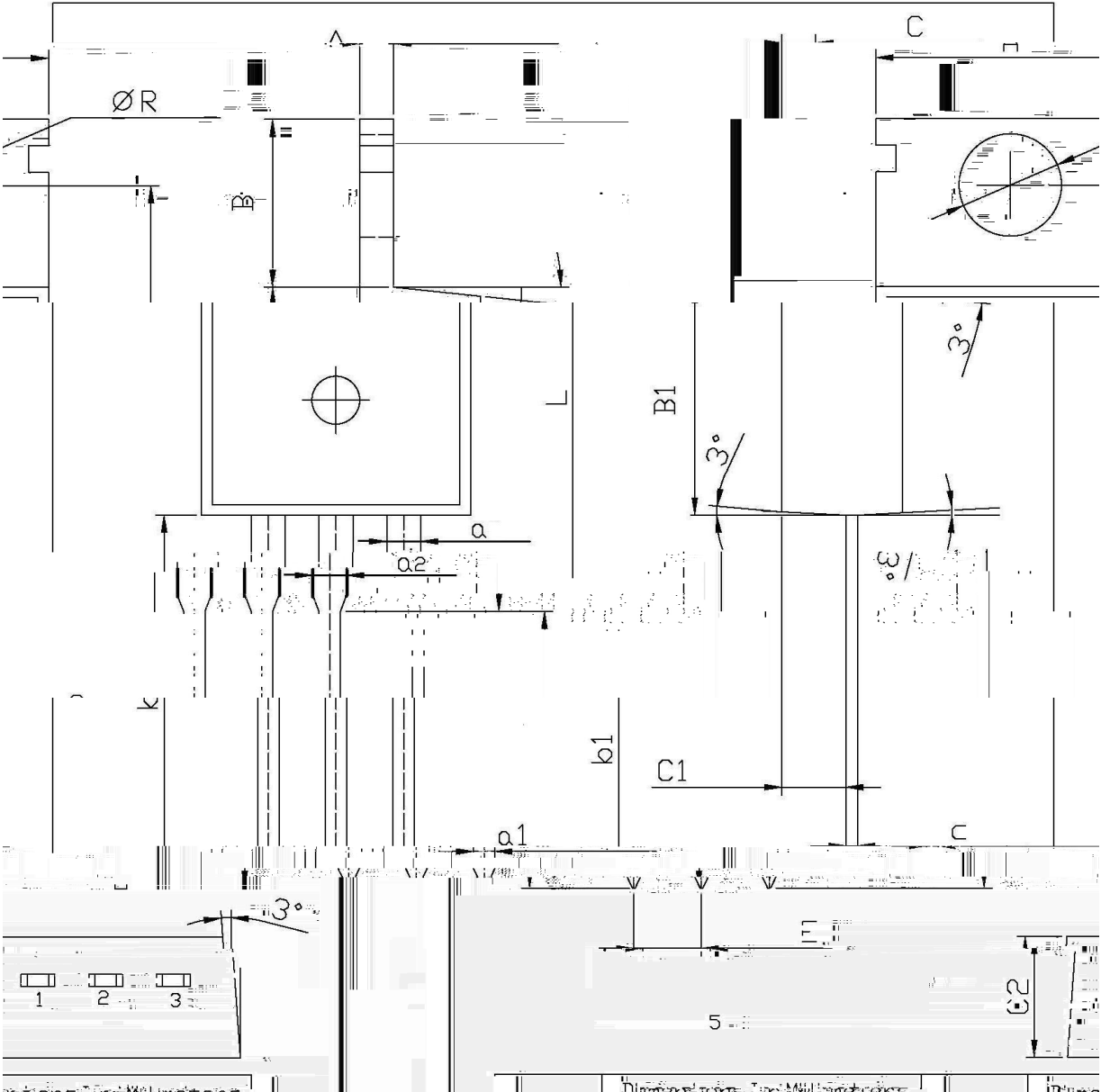
/Notes

1. /Short duration pulse test used to minimize self-heating effect.
2. / Unless otherwise noted, values for the parameters of a single chip

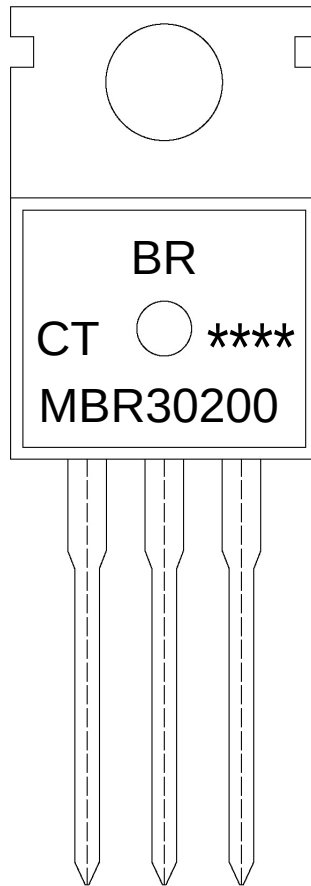


T□-220

单位: mm



Symbol	Min	Max	Symbol	Min	Max
L_A	9.8	10.2	C	0.2	0.4
R	3.56	3.64	B	6.3	6.7
L	15.7	16.1	$B1$	9.0	9.4
b	12.6	13.6	$C1$	2.2	2.6
a	1.22	1.32	$C2$	4.3	4.7
F	2.34	2.74			
a_2	1.25	1.45			



Note:

BR:

Company Code

MBR30200

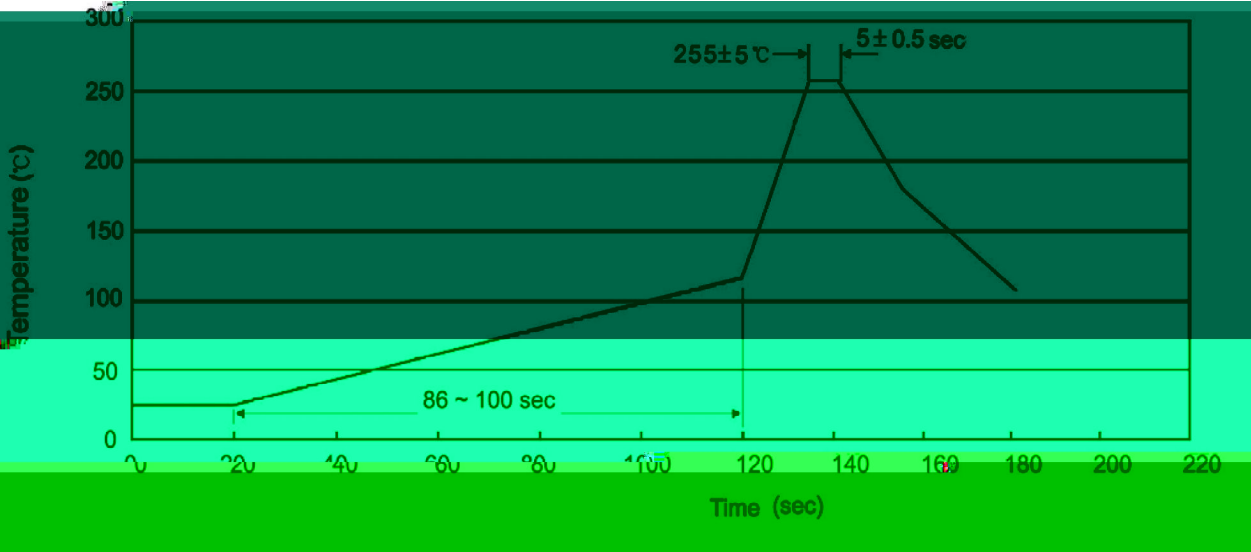
Product Type.

CT:

Internal Structure

****:

Lot No. Code, code change with Lot No.



Note:

- 1251506090sec;

2255550.5sec;

3210/sec.
- 1.Preheating:25~150 , Time:60~90sec.

2.Peak Temp.:255 5 , Duration:5 0.5sec.

3. Cooling Speed: 2~10 /sec.

270 510 1 sec.Temp.:270±5Time:10±1 sec

/ BULK

Package Type 封装形式	Units 包装数量					Dimension 包装尺寸 (unit: mm ³)		
	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: mm ³)		
	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