

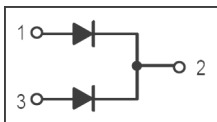
Rev.F Mar.-2016

TO-220F

Schottky Diode in a TO-220F Plastic Package.

Low power loss,high efficiency.

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

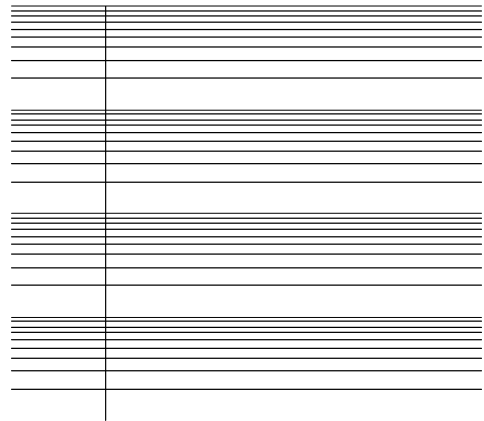
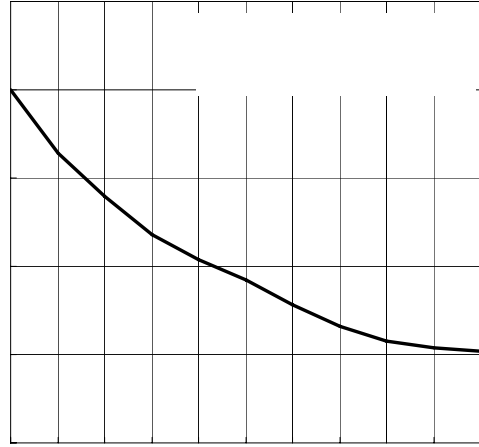
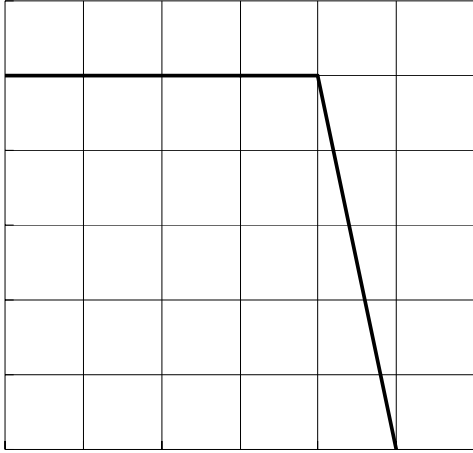


PIN1 Anode    PIN 2 Cathode    PIN 3 Anode

See Marking Instructions

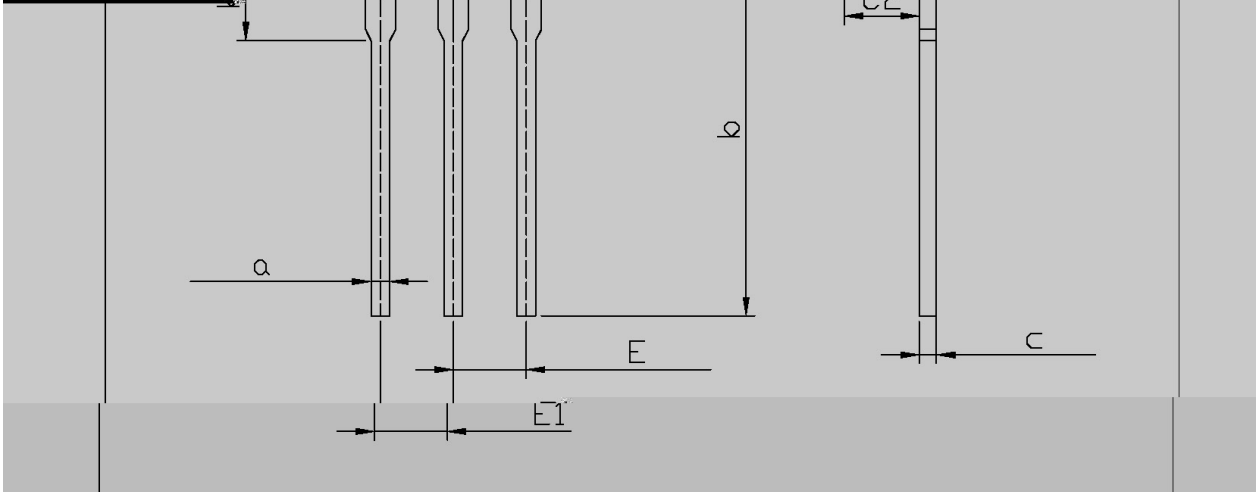
Parameter	Symbol	Rating	Unit
Peak Repetitive Reverse Voltage	$V_{RRM}$	150	V
Average Forward Current	$I_{F(AV)}$	10	A
Peak Reverse Forward Current	$I_{FRM}$	10	A
Non Repetitive Peak Surge Current	$I_{FSM}$	150	A
Peak Repetitive Reverse Current	$I_{RRM}$	0.5	A
Thermal Resistance Junction to Case	$R_{JC}$	3.5	/W
Junction and Storage Temperature Range	$T_j, T_{stg}$	-55 150	

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Reverse Voltage	$V_R$		150			V
Forward Voltage	$V_F$	$I_F=5A$			0.88	V
		$I_F=5A(T_c=125^\circ C)$			0.78	V
Instantaneous Reverse Current	$I_R$	$V_R=150V$			0.15	mA
		$V_R=150V(T_c=125^\circ C)$			150	mA
Critical rate of rise of reverse voltage	dv/dt				10000	V/ $\mu$ s

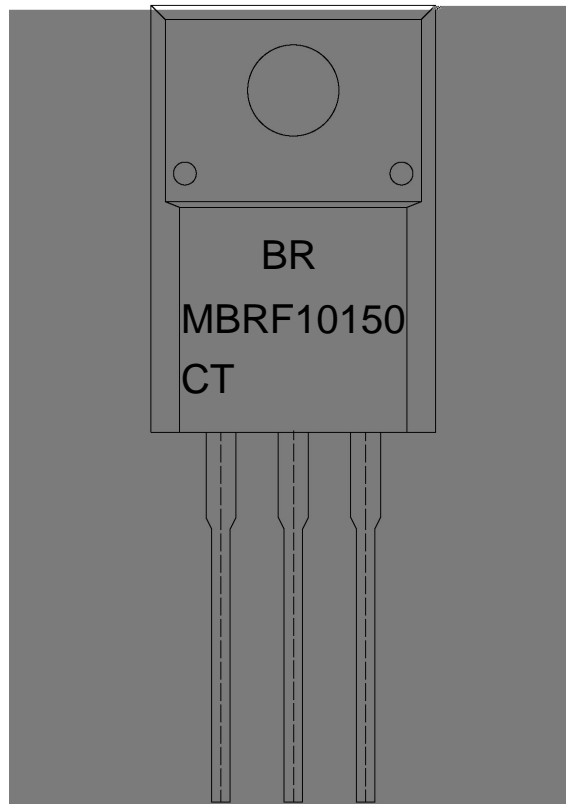


TO-220F

单位: mm



Symbol	Dimensions In Millimeters		Symbol	Dimensions In Millimeters	
	Min	Max		Min	Max
C	4.3	4.7	b1	2.9	3.9
A	9.7	10.3	a	0.55	0.75
B	14.7	15.3	E	2.29	2.79
D	2.8	3.0	E1	1.27	1.52



BR

MBRF10150

CT:

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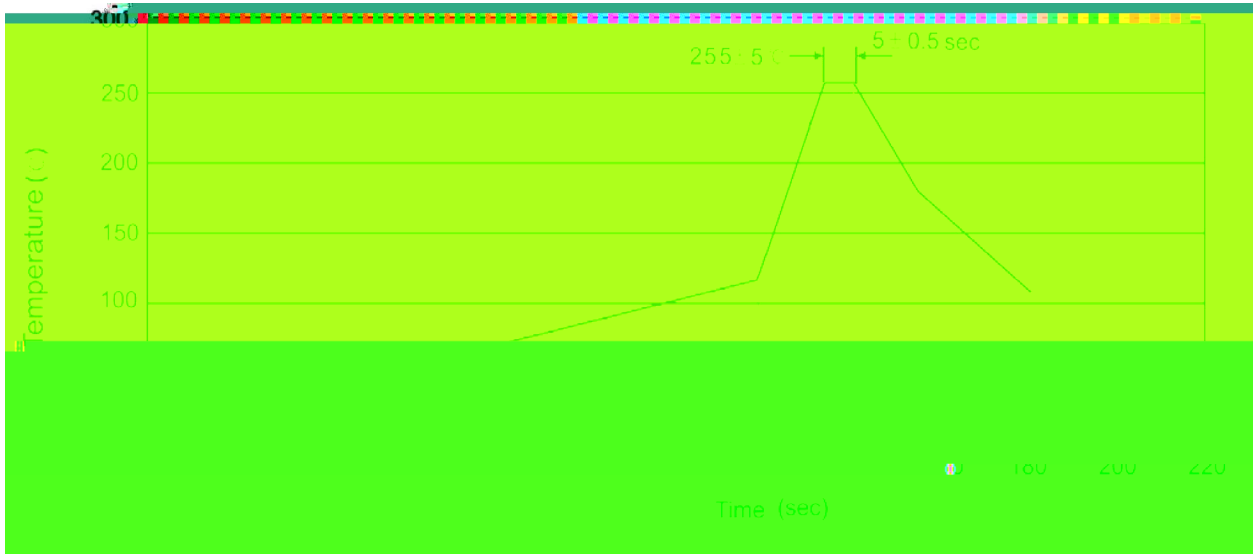
Note:

BR: Company Code

MBRF10150: Product Type.

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: mm <sup>3</sup> )		
	只袋	袋盒	只盒	盒箱	只箱	袋	盒	箱

## / TUBE

Package Type 封装形式	Units 包装数量					Dimension 包装尺寸 (unit: mm <sup>3</sup> )		
	只套管	套管盒	只盒	盒箱	只箱	套管	盒	箱