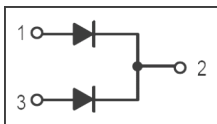


TO-220F

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 Working Peak Reverse Voltage Peak Reverse Voltage	V_{RRM} V_{RWM} V_{RM}	100	V
RMS Reverse current	$V_{R(RMS)}$	70	V
Average Forward Current	$I_{F(AV)}$	2×5	A
Non Repetitive Peak Surge Current	I_{FSM}	125	A
Thermal Resistance Junction to Case	$R_{\theta JC}$	4	$^{\circ}C/W$
Junction Temperature Range	$T_{j, MAX}$	150	$^{\circ}C$
Storage Temperature Range	T_{stg}	-55 150	

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Reverse Voltage	V_R	$I_R=0.3mA$	100			V
Forward Voltage	V_F	$I_F=5A(T_j=25^{\circ}C)$			0.85	V
		$I_F=5A(T_j=125^{\circ}C)$			0.75	V
		$I_F=10A(T_j=25^{\circ}C)$			0.95	V
		$I_F=10A(T_j=125^{\circ}C)$			0.85	V
Instantaneous Reverse Current	I_R	$V_R=100V(T_j=25^{\circ}C)$			10	μA
		$V_R=70V(T_j=125^{\circ}C)$			1.0	mA
		$V_R=100V(T_j=125^{\circ}C)$			5.0	mA

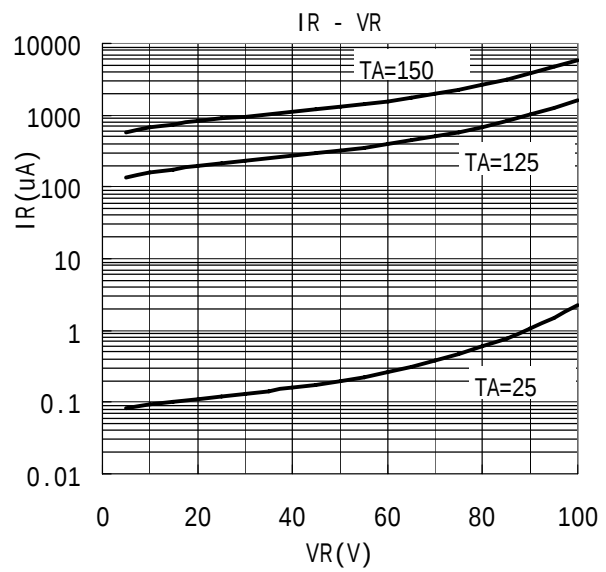
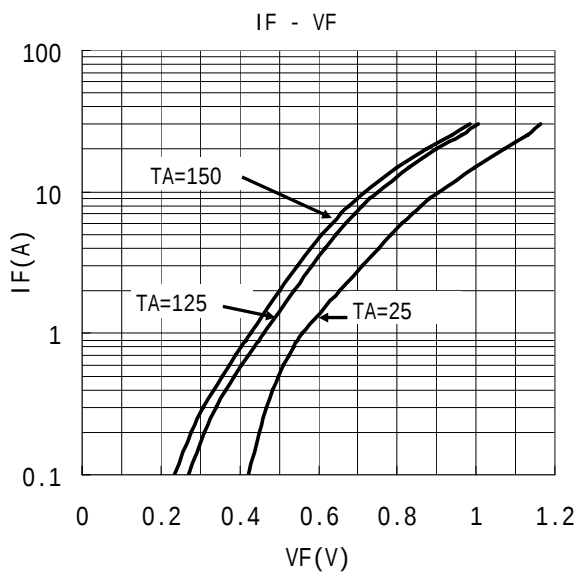
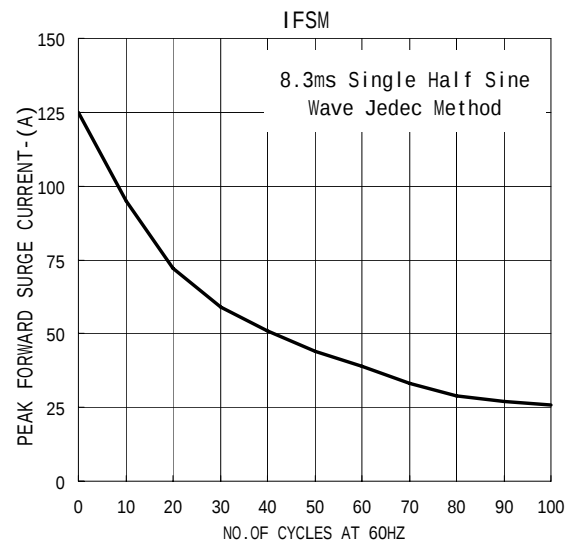
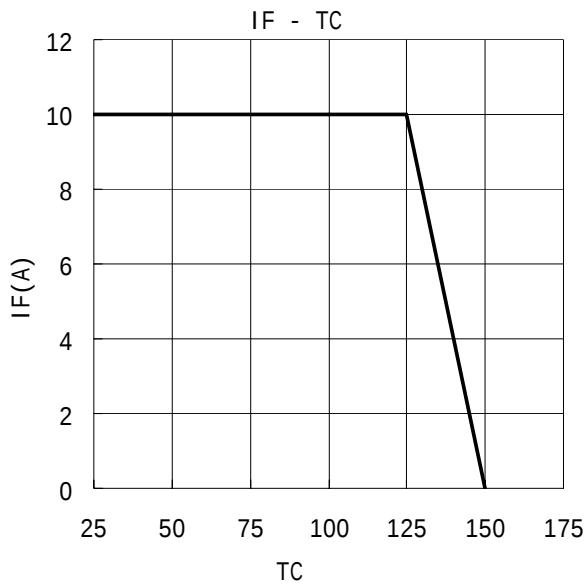
/Notes

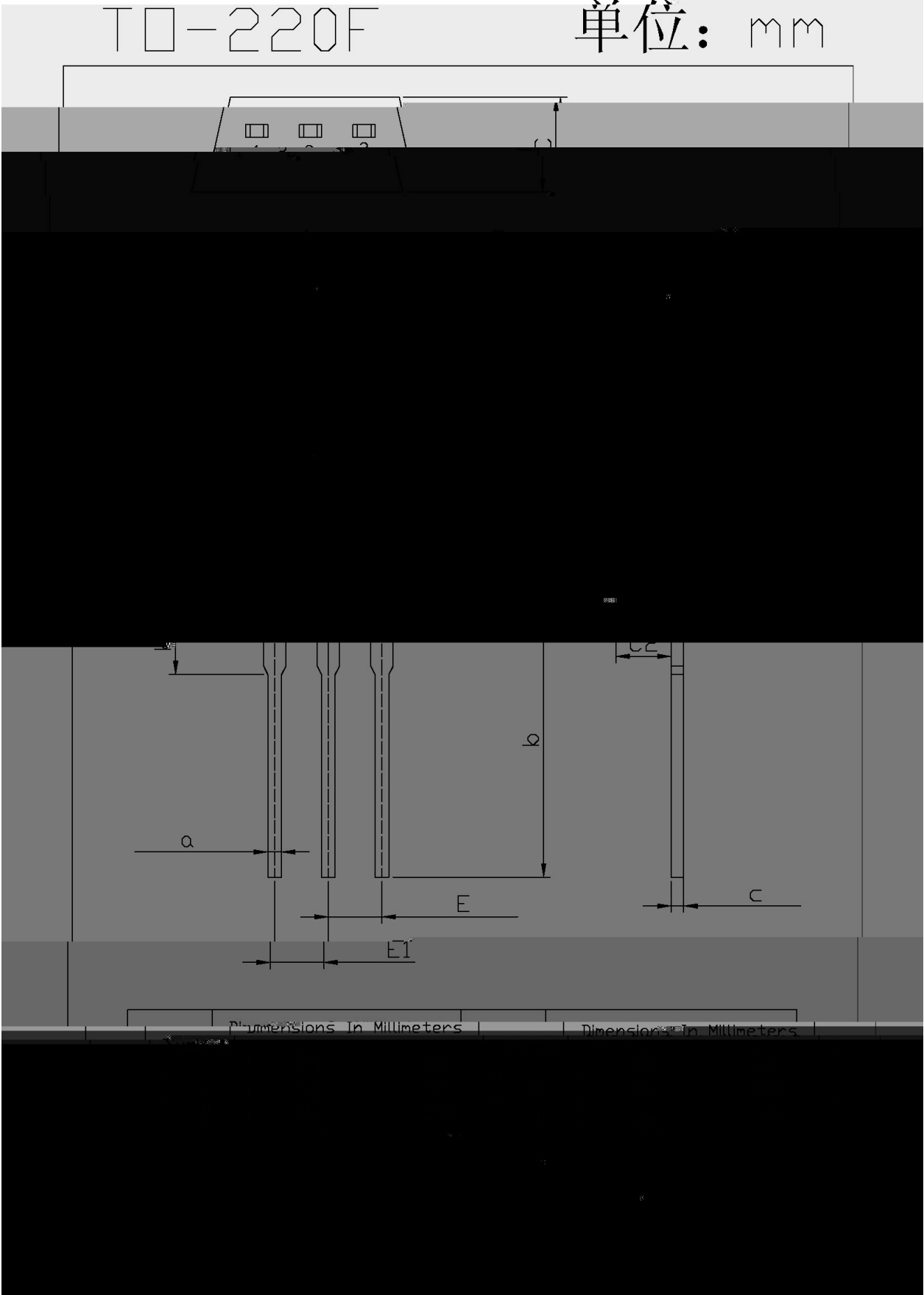
1.
effect.

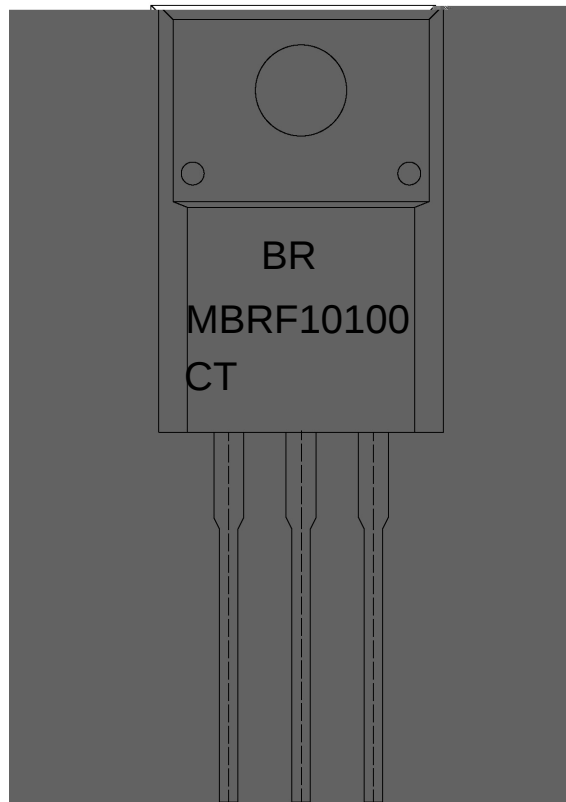
/Short duration pulse test used to minimize self-heating

2.
single chip

/ Unless otherwise noted, values for the parameters of a







BR

MBRF10100

CT:

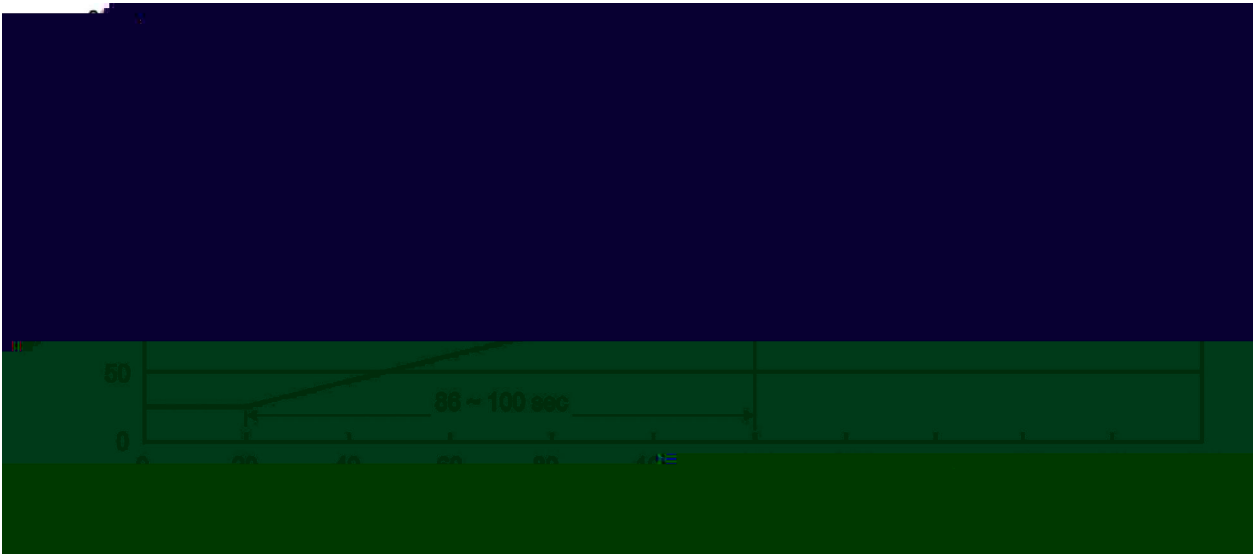
Note:

BR: Company Code

MBRF10100: Product Type.

CT: Internal Structure

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



- 1

25 150

60 90sec;

2

255±5

5±0.5sec;
- 3
- 2 10 /sec.

Note:
1.Preheating:25~150 , Time:60~90sec.
2.Peak Temp.:255±5 , Duration:5±0.5sec.
3. Cooling Speed: 2~10 /sec.

270±5

10±1 sec.

Temp.:270±5℃

Time:10±1 sec

/ BULK

Package Type	Units					Dimension		(unit mm ³)

/ TUBE

Package Type	Units					Dimension		(unit mm ³)