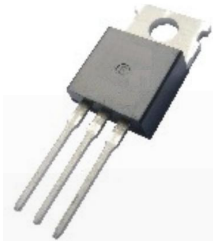
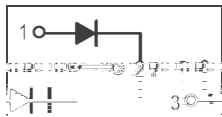


Schottky Barrier Diode in a TO-220 Plastic Package.

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.

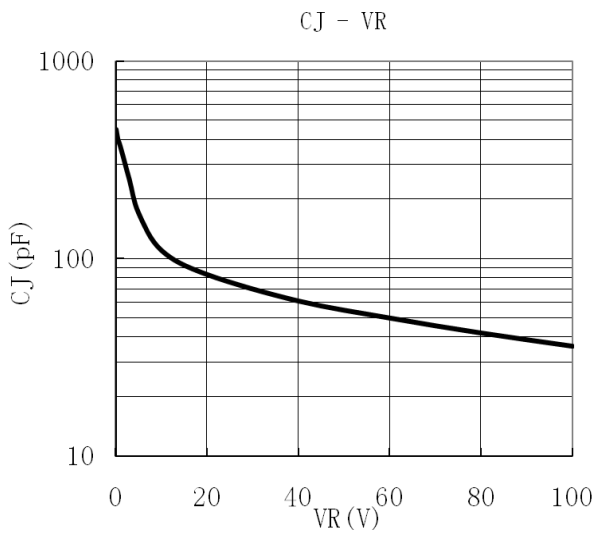
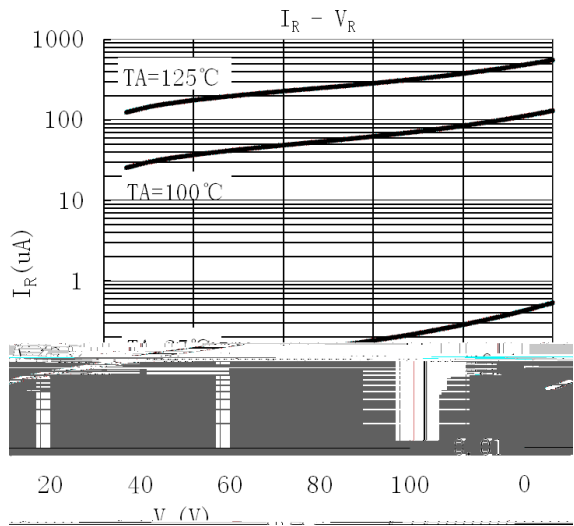
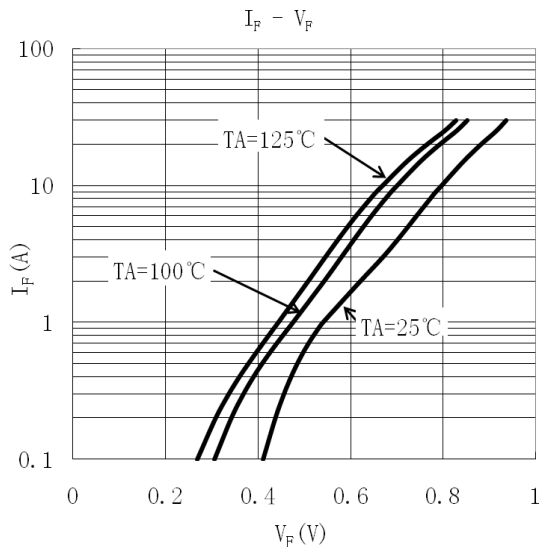
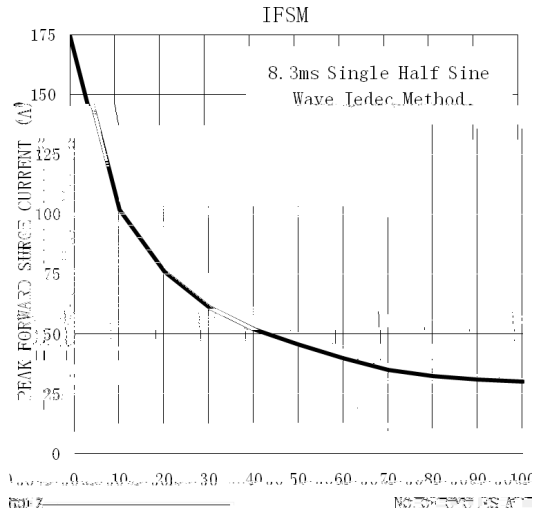
Parameter	Symbol	Rating	Unit
Peak Repetitive Reverse Voltage	V_{RRM} V_{RWM} V_{RM}	100	V
Average Rectified Forward Voltage	$V_{R(RMS)}$	70	V
Peak Repetitive Forward Current	$I_{F(AV)}$	2×5	A
Non-Repetitive Peak Forward Surge Current	I_{FSM}	175	A
Thermal Resistance Junction to Case	$R_{\theta Jc}$	2.5	/W
Junction Temperature Range	T_{jMAX}	175	
Storage Temperature Range	T_{stg}	-65 175	

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Reverse Current Voltage	V_R	$I_R=0.3mA$	100			V
Forward Voltage	V_F	$I_F=5A(T_J=25^\circ C)$			0.75	V
		$I_F=5A(T_J=125^\circ C)$			0.65	V
		$I_F=10A(T_J=25^\circ C)$			0.85	V
		$I_F=10A(T_J=125^\circ C)$			0.75	V
Instantaneous Reverse Current	I_R Note 1	$V_R=100V(T_J=25^\circ C)$			10	A
		$V_R=70V(T_J=125^\circ C)$			1.0	mA
		$V_R=100V(T_J=125^\circ C)$			5.0	mA

/Notes

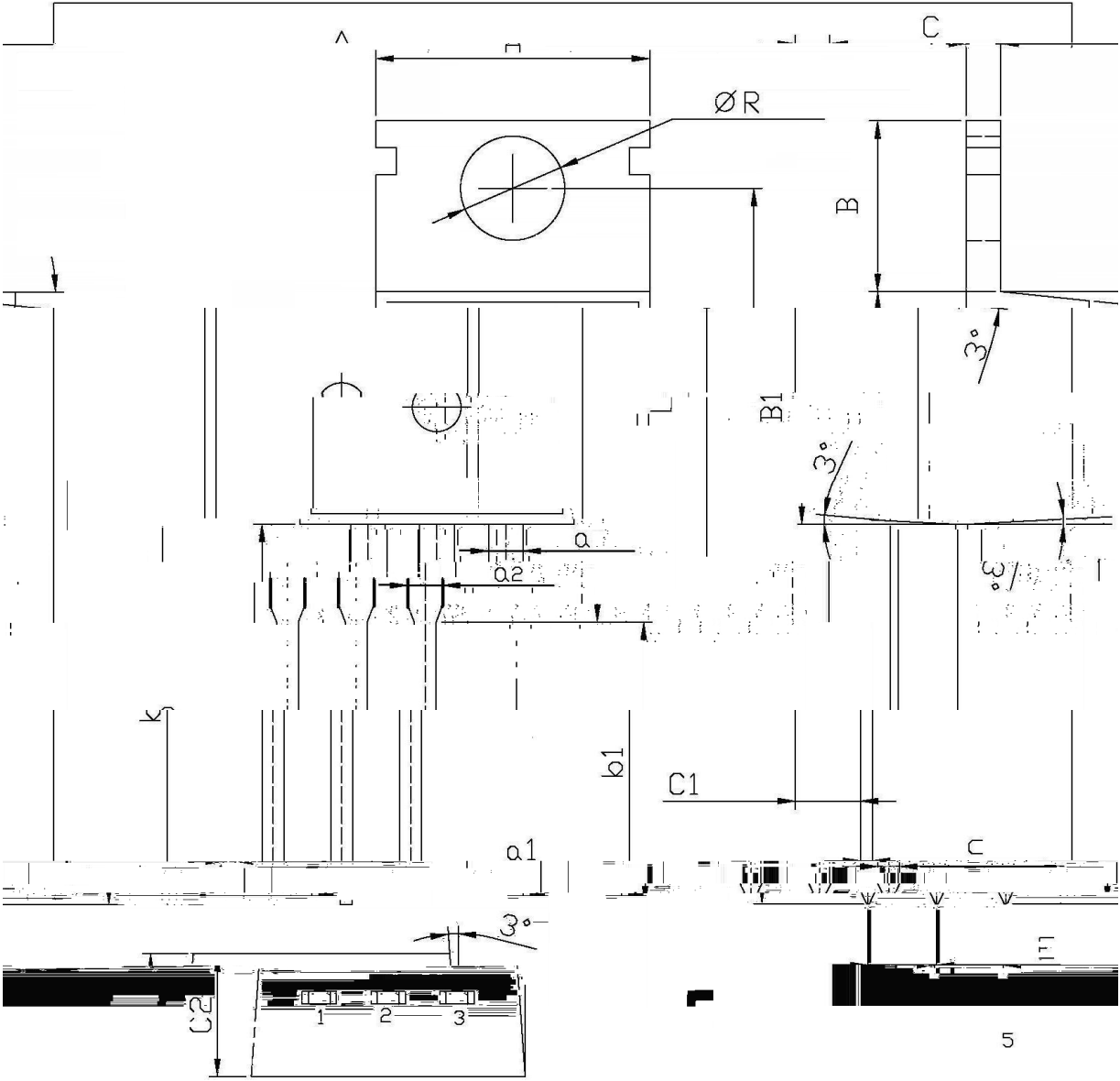
/Short duration pulse test used to minimize self-heating effect.

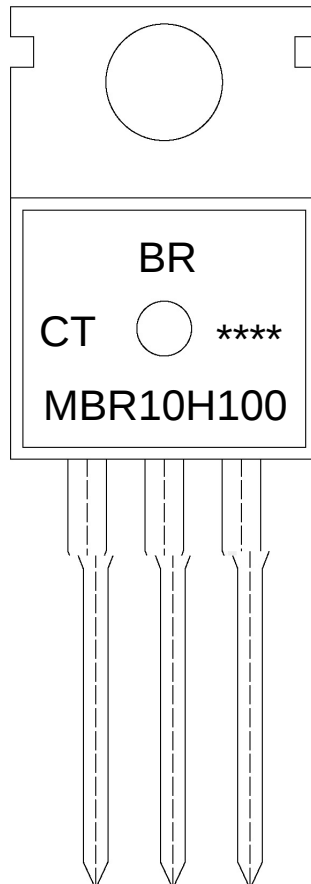
/ Unless otherwise noted, values for the parameters of a single chip.



T□-220

单位：mm





BR

Note:

BR:

Company Code

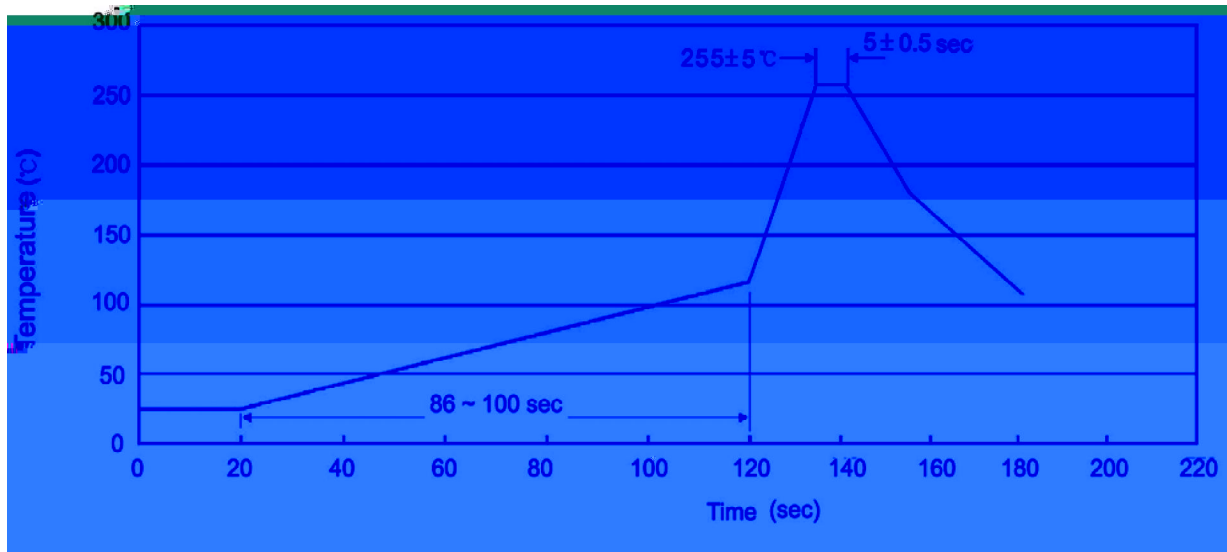
Product Type.

:

Internal Structure

****:

Lot No. Code, code change with Lot No.



Note:

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

270 ± 5 °C, 10 ± 1 sec. Temp.: 270±5 °C Time: 10±1 sec

/ BULK

Package Type	Units					Dimension (unit mm ³)		
	Units/Bag /	Bags/Inner Box /	Units/Inner Box /	Inner Boxes/Outer Box /	Units/Outer Box /	Bag	Inner Box	Outer Box
TO-220/F	200	10	2,000	5	10,000	135×190	237×172×102	560×245×195

/ TUBE

Package Type	Units					Dimension (unit mm ³)		
	Units/Tube /	Tubes/Inner Box /	Units/Inner Box /	Inner Boxes/Outer Box /	Units/Outer Box /	Tube	Inner Box	Outer Box
TO-220/F	50	20	1,000	5	5,000	532×31.4×5.5	555×164×50	575×290×180