

Rev.H Jul.-2018

WR0553 肖特基二极管

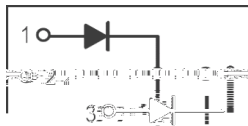
Schottky Barrier Diode in a TO-220 Plastic Package.

具有低正向压降,低功率损耗,高效率运行。

Low forward voltage drop, low power losses, High efficiency operation.

适用于高频逆变器,开关电源,续流二极管, OR-ing 二极管, dc-to-dc 转换器和反向电池保护。

For use in high frequency inverters, switching power supplies, freewheeling diodes, OR-ing diode, dc-to-dc converters and reverse battery protection.



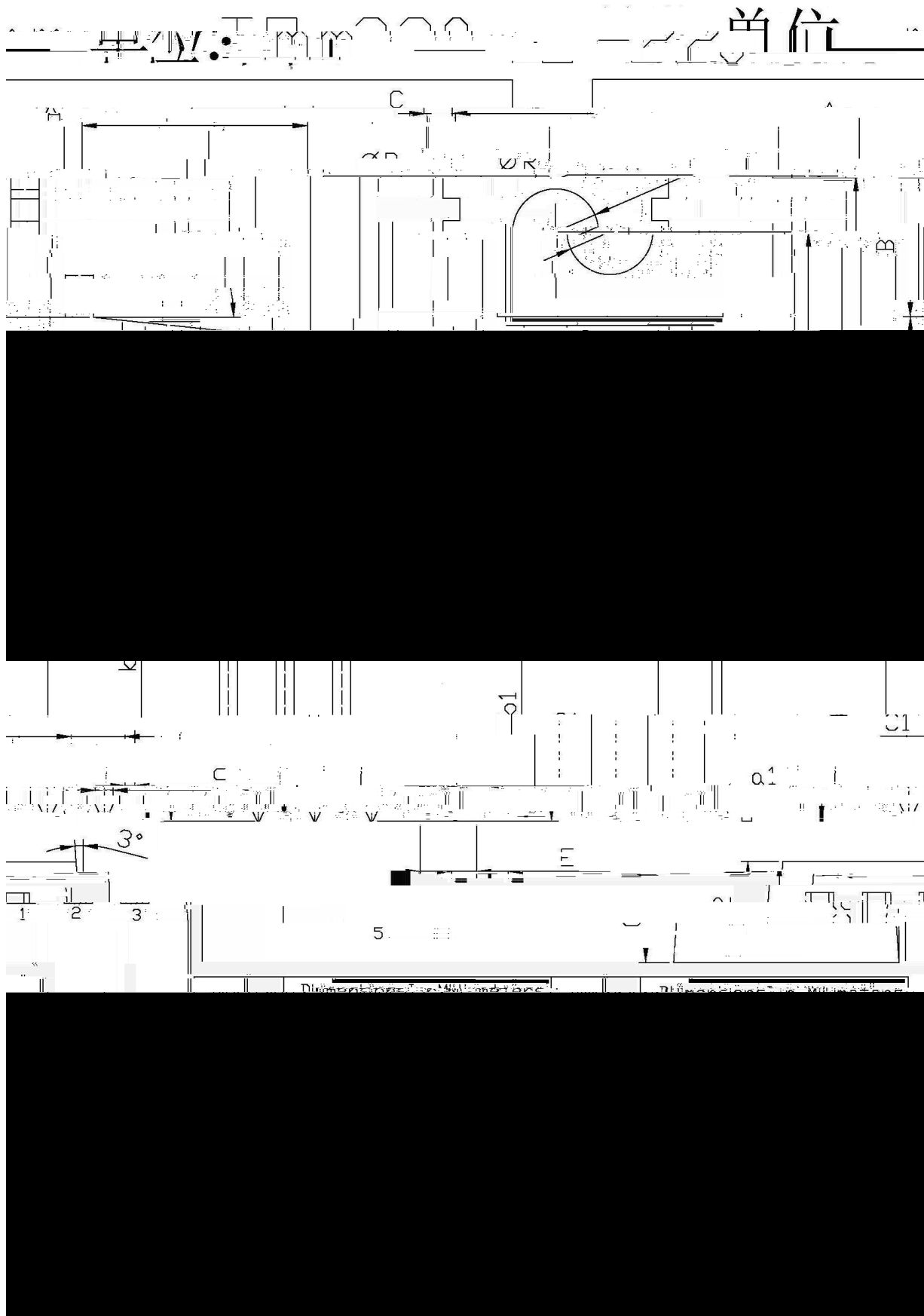
PIN1 阳极 PIN 2 阴极 PIN 3 阳极

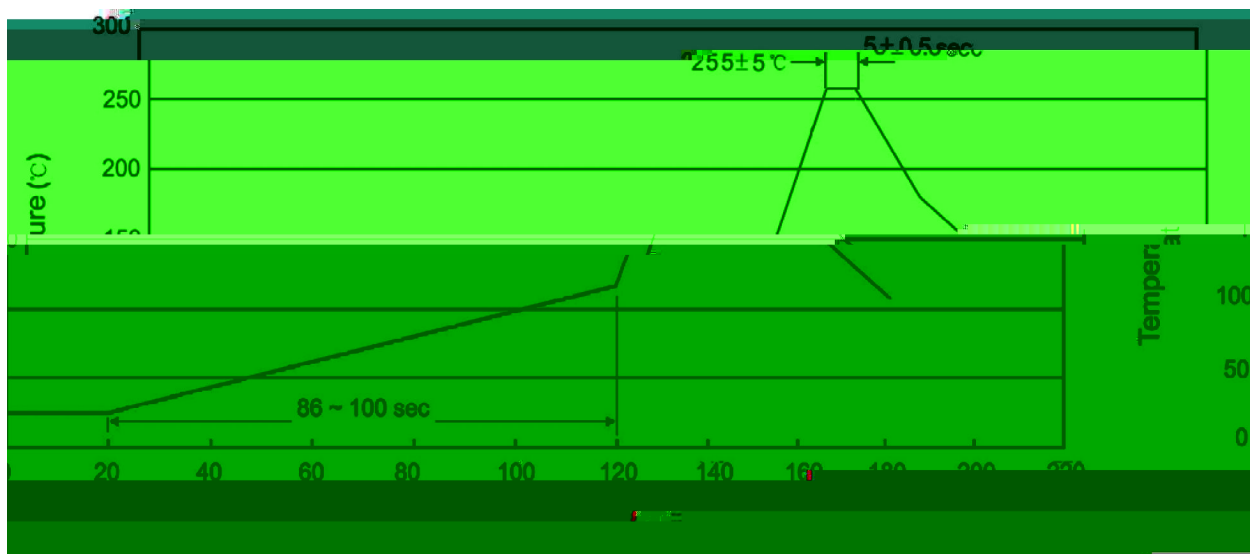
请参见标记说明。 See Marking Instructions.

Parameter	Symbol	Rating	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	V_{RM} V_{RSM} V_{DC}	150	V
RMS Reverse Voltage	V_{RMS}	105	V
Average Rectified Forward Current	$I_{F(AV)}$	2×10	A
Non Repetitive Peak Surge Current	I_{FSM}	120	A
Thermal Resistance Junction to Case	$R_{\theta Jc}$	2.8	/W
Junction and Storage Temperature Range	T_j T_{stg}	-55 +150	

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Breakdown Reverse Voltage	V_{BR}	$I_R=1mA(T_a=25^\circ C)$ $I_F=5A(T_a=25^\circ C)$	150			V

Forward Voltage V_F





℃

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

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

Time: 10 ± 1 sec

TO-220/F / 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

TO-220/F / 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