Rev.H Jul.-2018

WR0553 ṂṂȽ ⸗ g͡ ǁ ᒣ

Schottky Barrier Diode in a TO-220 Plastic Package.

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

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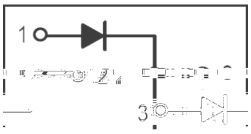
For use in high frequency inverters, switching power supplies, freewheeling diodes,
OR-ing diode, dc-to-dc converters and reverse battery protection.



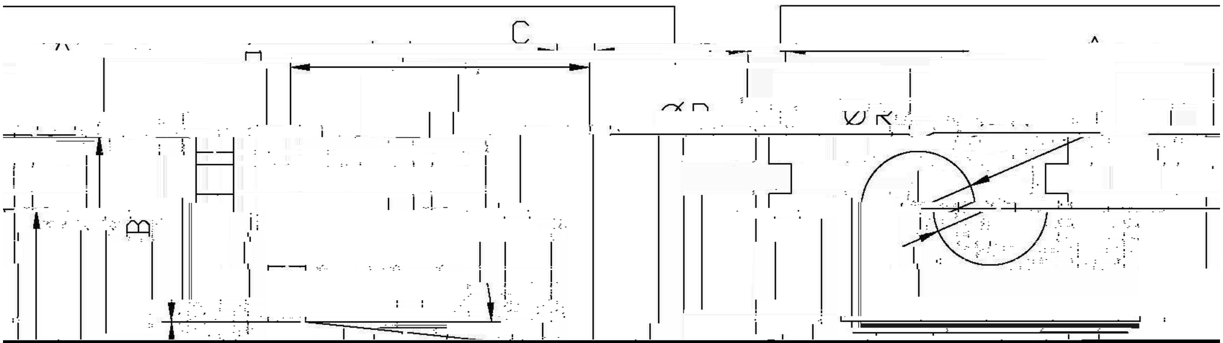
PIN1 χ Anode PIN 2 χ Cathode PIN 3 χ Anode

ŏ м ٦ ب ˝ See Marking Instructions.

v ˝Ω̣ Parameter	ɣ ᴺ Symbol	˝Ω̣Ӫ Rating	ᴅ ꜧ 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	

v ˝Ω̣ Parameter	ɣ ᴺ Symbol	╜ ꞉ꜝ ƫ Test Conditions	ῳ ṇ Ӫ Min	Ɛ ʒ Ӫ Typ	ῳ ᶻ Ӫ Max	ᴅ ꜧ Unit
Breakdown Reverse Voltage	V_{BR}	I_R=1mA(Ta=25)	150			V
		I_F =5A(Ta=25)				
Forward Voltage	V_F					

单位:mm



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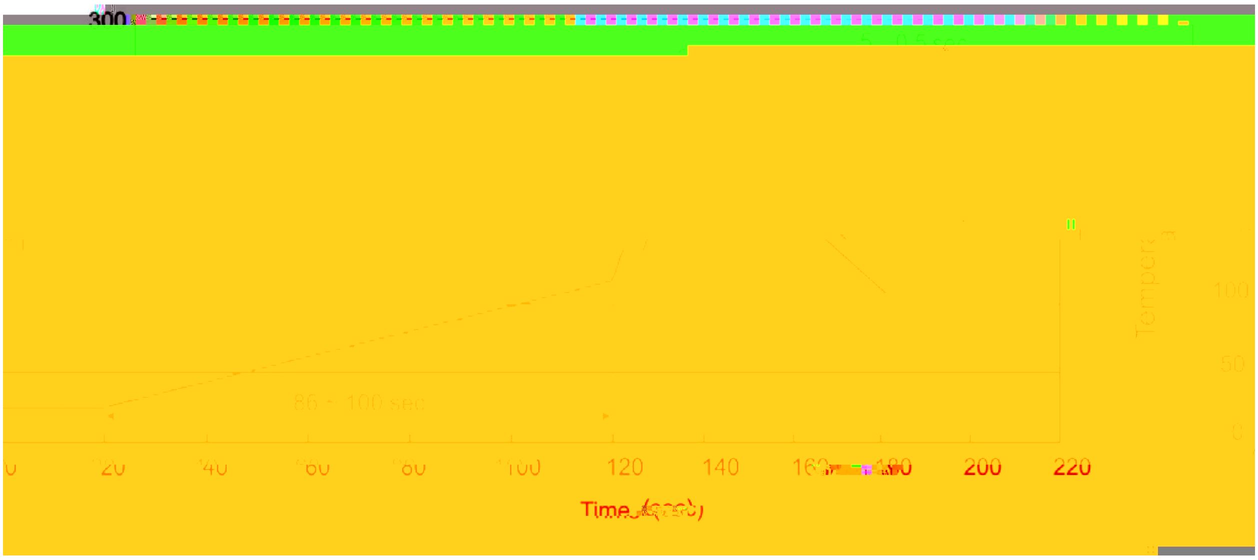

ب ˝ χ

1 ĺ ♬ □ ŷ 25 Ḱ 150 ł ı `H ڙ 60 Ḱ 90sec;

2 Š Ӫ □ ŷ 255 ° 5 ł ı `H ڙ `Y ꞃ ꟸ 5 ° 0.5sec;

3 ì ˙ Ꙇ ˛ ɔ ఊ ŷ ꟸ 2 Ḱ 10 ł /sec.

Note:

1.Preheating:25~150 ł , Time:60~90sec.

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

3. Cooling Speed: 2~10 ł /sec.

□ ŷ χ 270 ° 5 ł `H ڙ χ 10 ° 1 sec. Temp.:270±5 Time:10±1 sec

"Ω ʈ ɣ Ł / 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

˯ ٦ ɣ Ł / 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