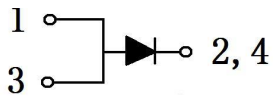


Schottky Diode in a TO-263 Plastic Package.

High Forward Surge Capability, Ultra Low Forward Voltage Drop, Excellent High Temperature Stability.

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



PIN1 Anode

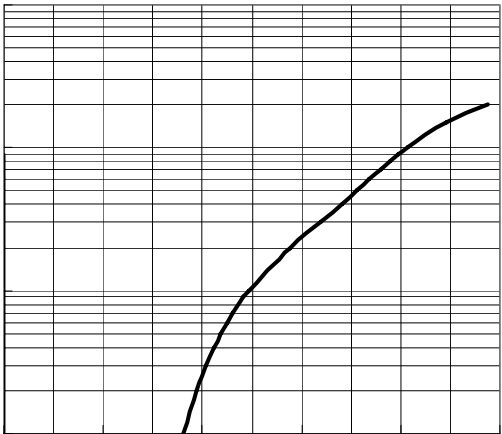
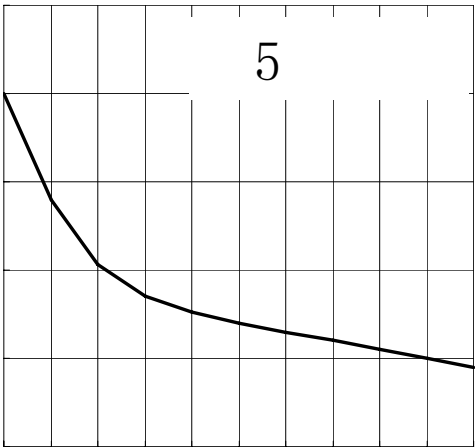
PIN 2,4 Cathode

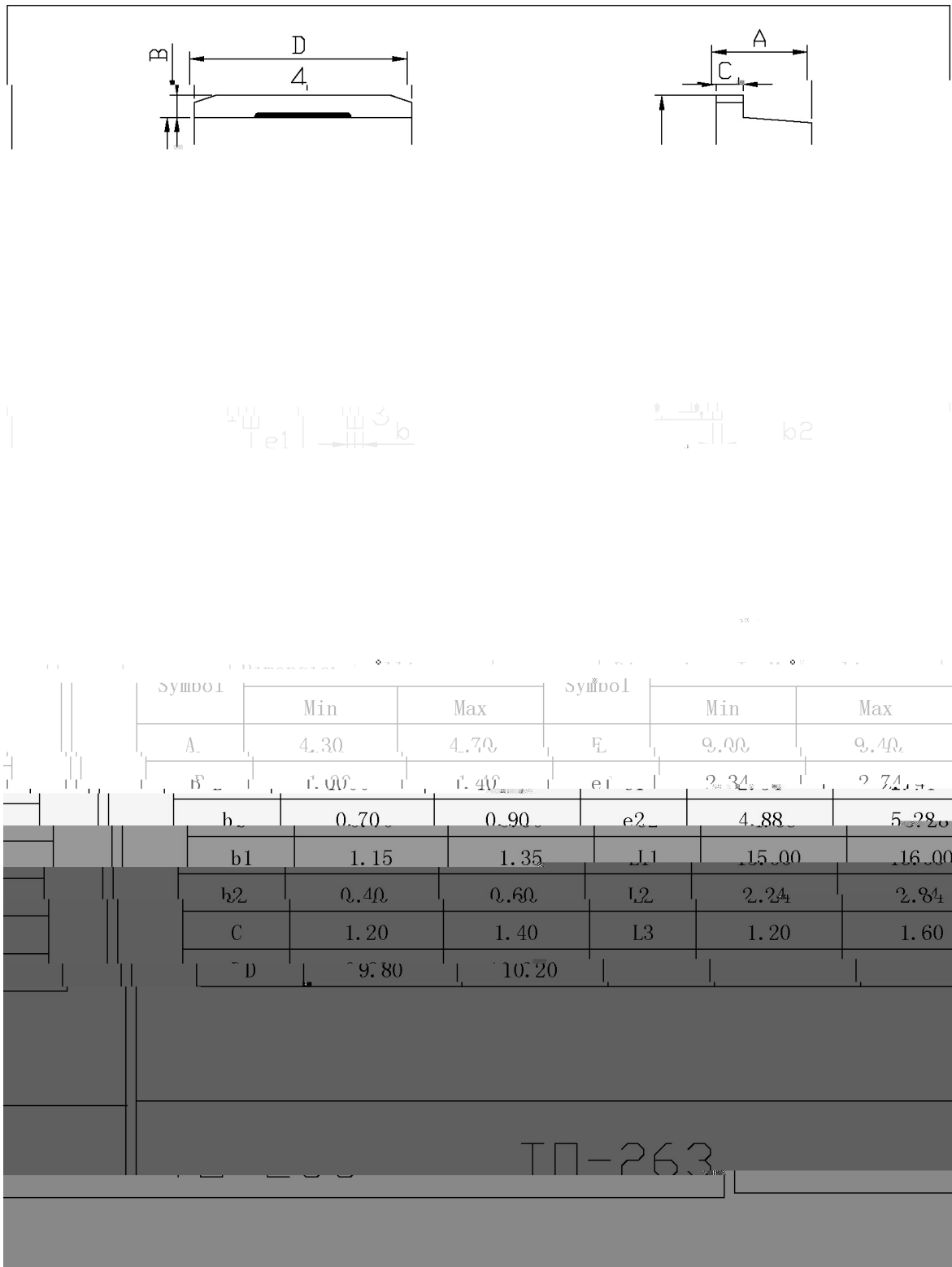
PIN 3 Anode

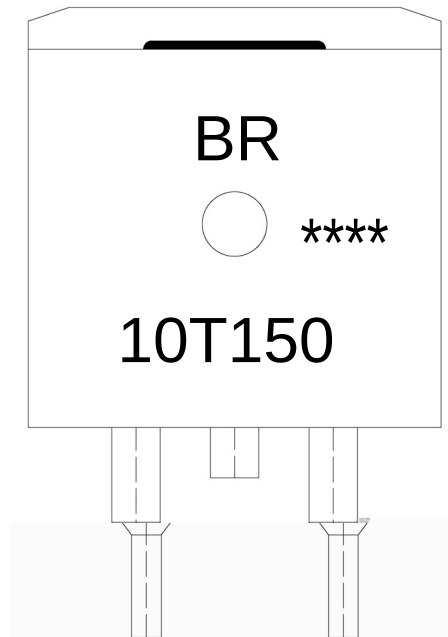
See Marking Instructions.

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 forward rectified current	$I_{F(AV)}$	1×10	A
Non Repetitive Peak Surge Current	I_{FSM}	200	A
Thermal Resistance Junction to Case	$R_{\theta Jc}$	2.8	/W
Junction and Storage Temperature Range	T_j T_{stg}	-40 +150	

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Reverse Voltage	$V_{(BR)R}$	$I_R=1mA(T_a=25^\circ C)$	150			V
Forward Voltage	V_F	$I_F=2A(T_a=25^\circ C)$		0.58		V
		$I_F=10A(T_a=25^\circ C)$		0.81	0.85	V
		$I_F=2A(T_a=125^\circ C)$		0.47		V
		$I_F=10A(T_a=125^\circ C)$		0.69	75	V
Instantaneous Reverse Current	I_R Note 1	$V_R=150V(T_a=25^\circ C)$		5	50	μA
		$V_R=150V(T_a=125^\circ C)$			20	mA







BR

Note:

BR:

10T150

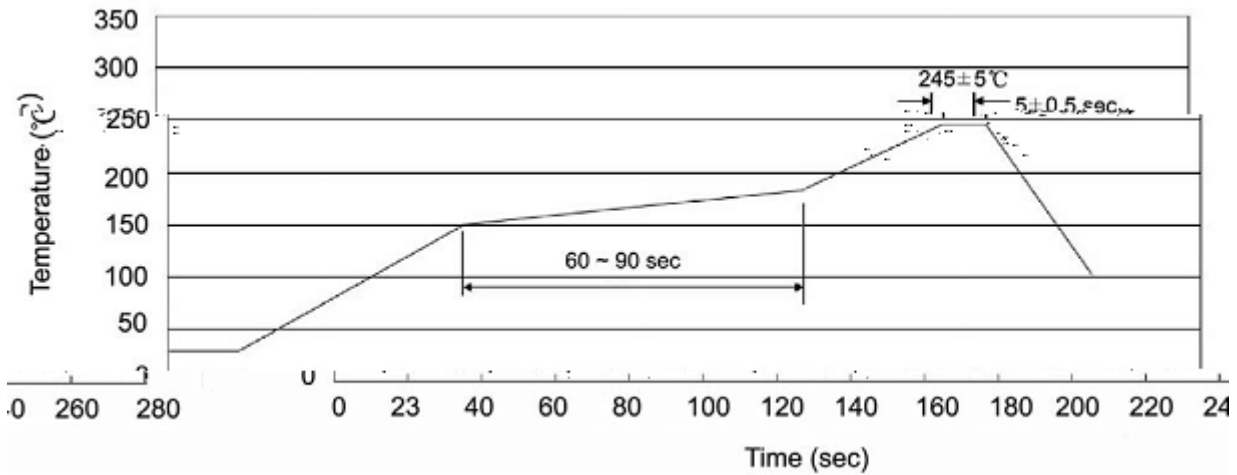
****:

Company Code

Product Type.

Lot No. Code, code change with Lot No.

Temperature Profile for IR Reflow Soldering(Pb-Free)



Note:

1. 25 150 60 90sec; 1.Preheating:25~150 , Time:60~90sec.
2. 245 5 5 0.5sec; 2.Peak Temp.:245 5 , Duration:5 0.5sec.
3. 2 10 /sec. 3. Cooling Speed: 2~10 /sec.

260 5 10 1 sec. Temp.:260±5 Time:10±1 sec

/ REEL

Package Type 封装形式	Units 包装数量					Dimension 包装尺寸 (unit: mm ³)		
	Units/Reel 只/卷盘	Reels/Inner Box 卷盘/盒	Units/Inner Box 只/盒	Inner Boxes/Outer Box 盒/箱	Units/Outer Box 只/箱	Reel	Inner Box 盒	Outer Box 箱
TO-263	800	1	800	5	4,000	13 ×24	360×360×50	385×257×392

/ TUBE

Package Type 封装形式	Units 包装数量					Dimension 包装尺寸 (unit: mm ³)		
	Units/Tube 只/套管	Tubes/Inner Box 套管/盒	Units/Inner Box 只/盒	Inner Boxes/Outer Box 盒/箱	Units/Outer Box 只/箱	Tube 套管	Inner Box 盒	Outer Box 箱
TO-263	50	20	1,000	5	5,000	532×33×7.0	555×164×50	575×290×180