WR0596 MMЬ ⁄ g‿ ‖ ㄱ

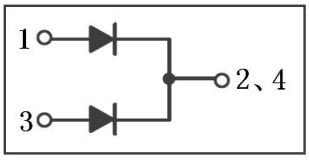
Schottky Barrier Diode in a TO-263 Plastic Package.

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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 4 χ Cathode PIN 3 χ Anode

ð м ヽ ب ″ See Marking Instructions.

v ¨Ω Parameter	ϒ N Symbol	¨Ω Ö Rating	D Ц Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Reverse Voltage	V_{RRM} V_{RWM} V_{DC}	45	V
RMS Reverse Voltage	V_{RMS}	31.5	V
Average forward rectified Current	I_F	2 X 10	A
Non Repetitive Peak Surge Current	I_{FSM}	160	A
Thermal Resistance Junction to Case	R_{Jc}	2.8	/W
Junction and Storage Temperature Range	T_j T_{stg}	-40~+150	

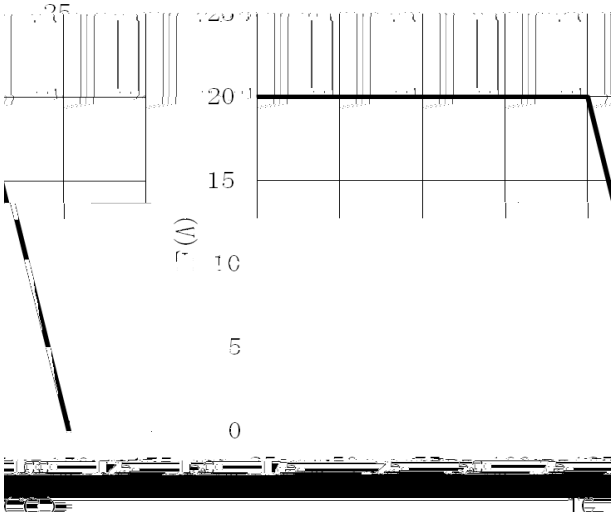
v ¨Ω Parameter	ϒ N Symbol	╝ ; ┤ Ţ Test Conditions	ѡ ņ Ö Min	Ɛ ʒ Ö Typ	ѡ ƶ Ö Max	D Ц Unit
Reverse Voltage	$V_{(BR)R}$	I_R =1mA Ta=25	45			V
Forward Voltage	V_{FM}	I_F =5.0A Ta=25		0.38		V
		I_F =10A Ta=25		0.43	0.48	V
		I_F =5.0A Ta=125		0.28		V
		I_F =10A Ta=125		0.37	0.45	V
Instantaneous Reverse Current	I_R Note 1	V_R=45V Ta=25		80	200	uA
		V_R=45V Ta=125		30	100	mA

├/Notes

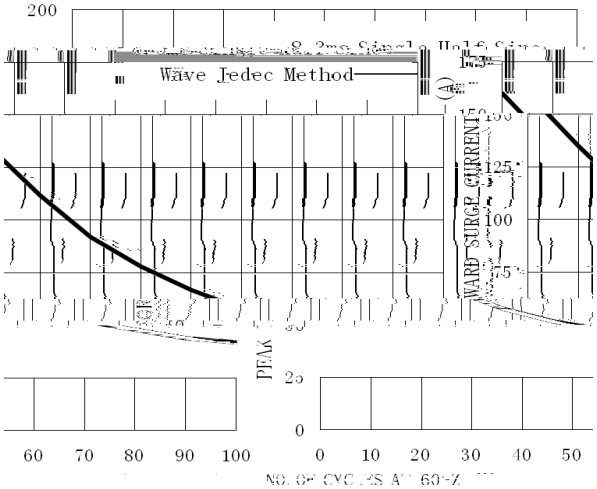
41 Æ ŧ Ⅱ ˜ ▯╝ ; `H ڑ ıŒ ő ¸˚˚ N̲₅ ♬ ѽ Z̲ /Short duration pulse test used to minimize self-heating effect.

51 ტ ˚ ˝ ┼ ¨ ı ¨Ω Ö ₶ Ѧ ϽЭ ▯v ¨Ω / Unless otherwise noted, values for the parameters of a single chip

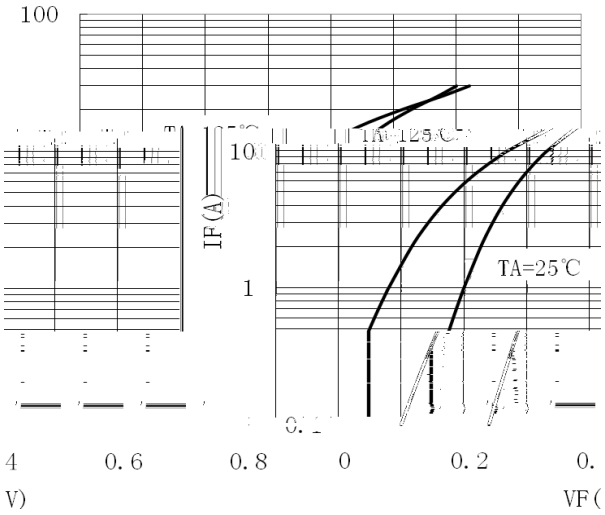
IF – TC



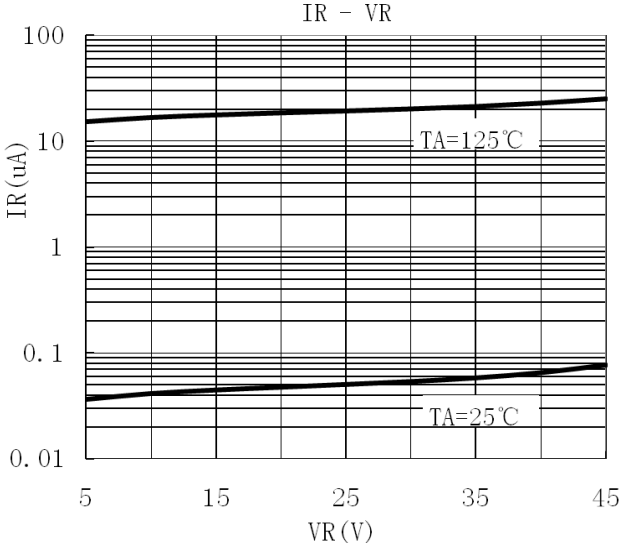
IFSM

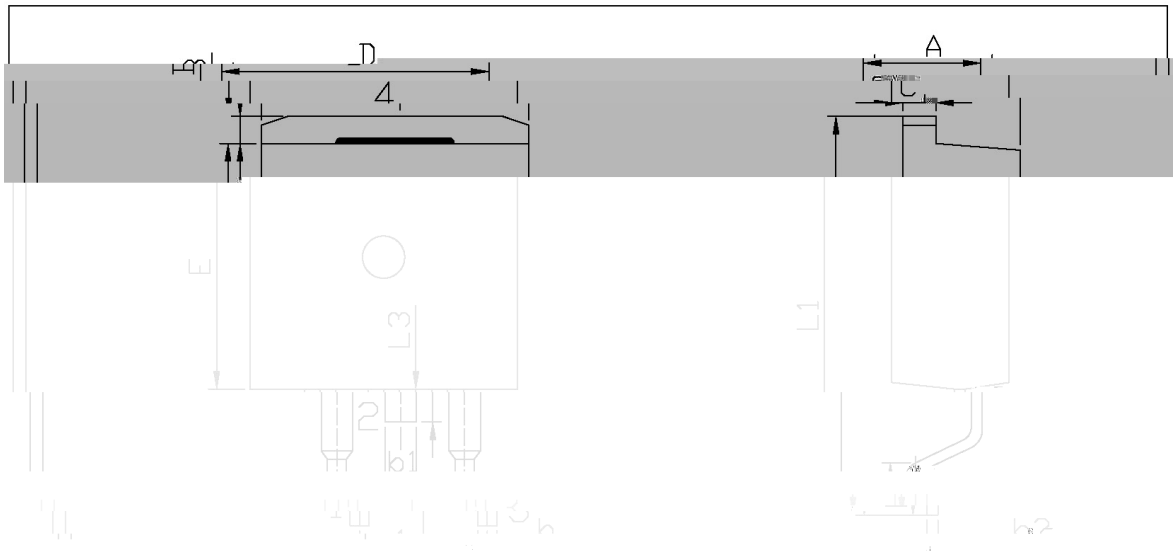


IF – VF

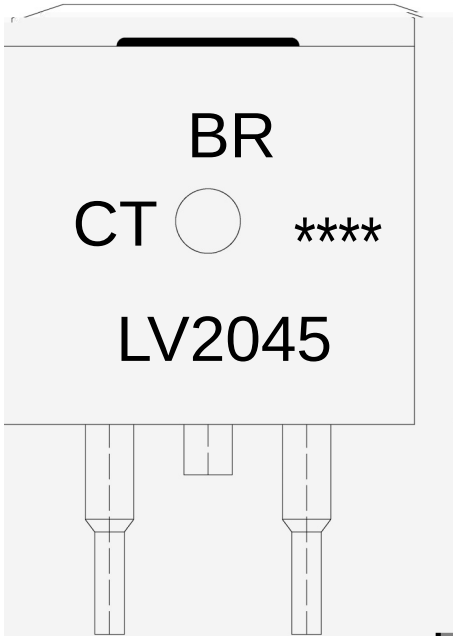


IR – VR





	Min	Max	Min
A	4.30	4.70	9.00
B	1.00	1.40	2.34
b1	1.15	1.35	

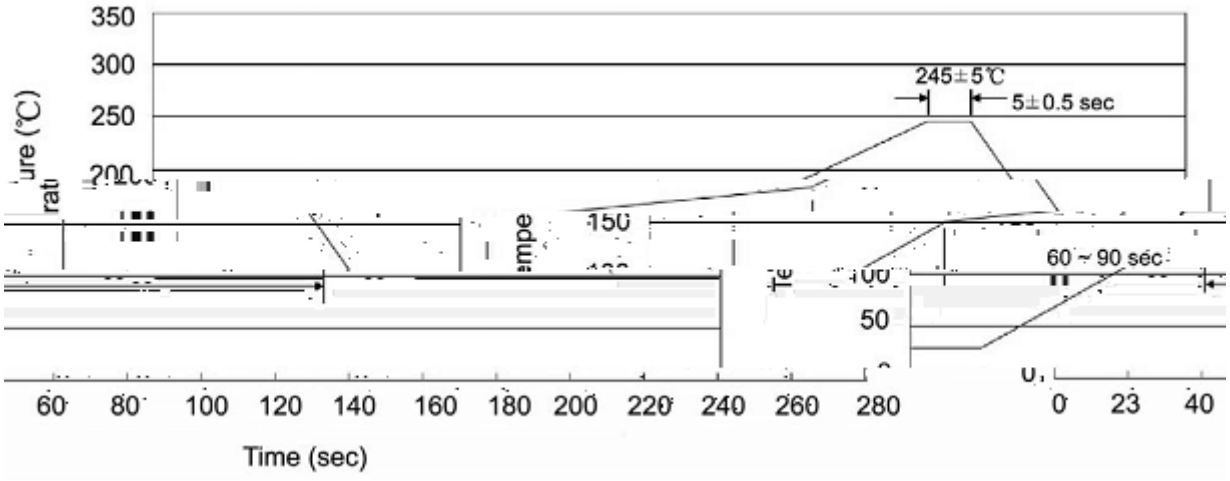


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EU χ	ѭ ϛ ᴎ Ր
0Y5378 χ	ѭ ғ β ȝ ᴺ
FW=	ѭ ɲ ԉ ᒧ ⚌
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Note:

BR:	Company Code
0Y5378 χ	Product Type.
FW:	Internal Structure
****:	Lot No. Code, code change with Lot No.

Temperature Profile for IR Reflow Soldering(Pb-Free)



ب ˝ χ

1 Ĺ ♬ □ ỷ 25 Ḱ 150 ł ı `H ڑ 60 Ḱ 90sec;

2 Š Ë □ ỷ 245 ° 5 ł ı `H ڑ ˙Y ﾊ ㎞ 5 ° 0.5sec;

3 ì ˙ ｲ ˛ ɔ ﻉ ỷ ㎞ 2 Ḱ 10 ł /sec.

Note:

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

2.Peak Temp.:245 ° 5 ł , Duration:5 ° 0.5sec.

3. Cooling Speed: 2~10 ł /sec.

□ ỷ χ 260 ° 5 ł `H ڑ χ 10 ° 1 sec. Temp.:260±5 Time:10±1 sec

ɔ ` ｙ Ł / REEL

Package Type	Units					Dimension		(unit mm³)
	Units/Reel /	Reels/Inner Box /	Units/Inner Box /	Inner Boxes/Outer Box /	Units/Outer Box /	Reel	Inner Box	Outer Box
TO-263	800	1	800	5	4,000	13 ×24	360×360×50	385×257×392

˛ ｱ ｙ Ł / TUBE

Package Type	Units	Dimension	(unit mm³)