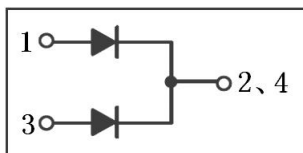


Rev.F May.-2016

Schottky Barrier Diode in a TO-263 Plastic Package.

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

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



PIN1 Anode

PIN 2 4 Cathode

PIN 3 Anode

See Marking Instructions.

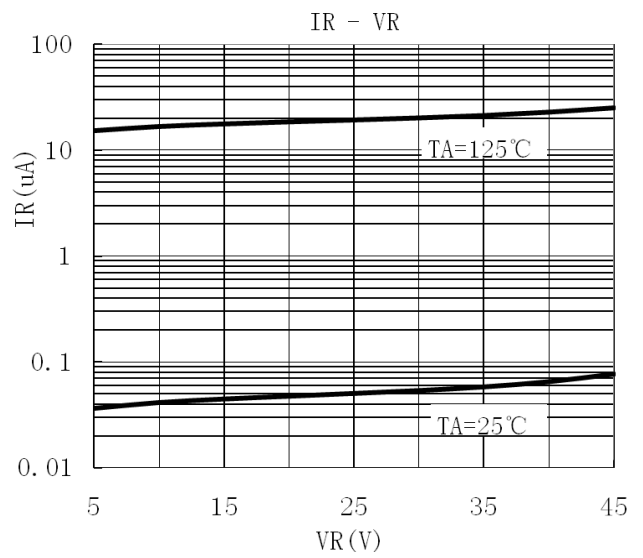
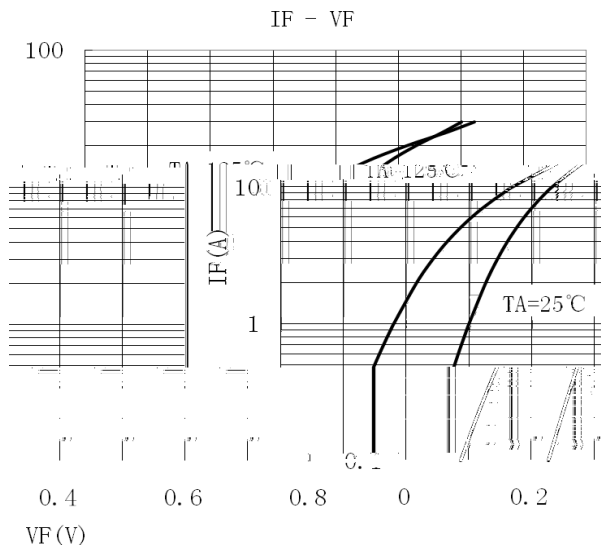
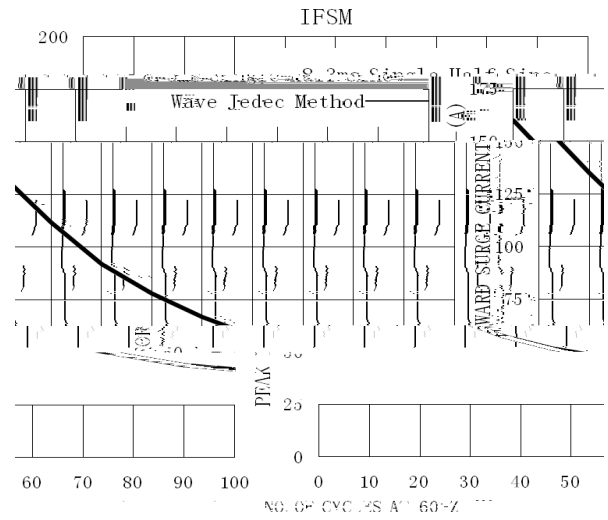
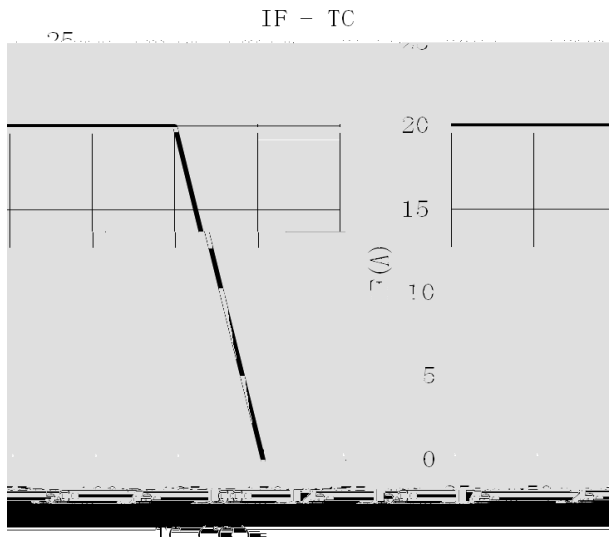
Parameter	Symbol	Rating	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Reverse Voltage	$V_{RRM}$ $V_{RWM}$ $V_{DC}$	45	V
RMS Reverse Voltage	$V_{RMS}$	31.5	V
Average forward rectified Current	$I_F$	2 X 10	A
Non Repetitive Peak Surge Current	$I_{FSM}$	160	A
Thermal Resistance Junction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

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Reverse Voltage	$V_{(BR)R}$	$I_R=1mA$ $T_a=25$	45			V
Forward Voltage	$V_{FM}$	$I_F=5.0A$ $T_a=25$		0.38		V
		$I_F=10A$ $T_a=25$		0.43	0.48	V
		$I_F=5.0A$ $T_a=125$		0.28		V
		$I_F=10A$ $T_a=125$		0.37	0.45	V
Instantaneous Reverse Current	$I_R$ Note 1	$V_R=45V$ $T_a=25$		80	200	$\mu A$
		$V_R=45V$ $T_a=125$		30	100	mA

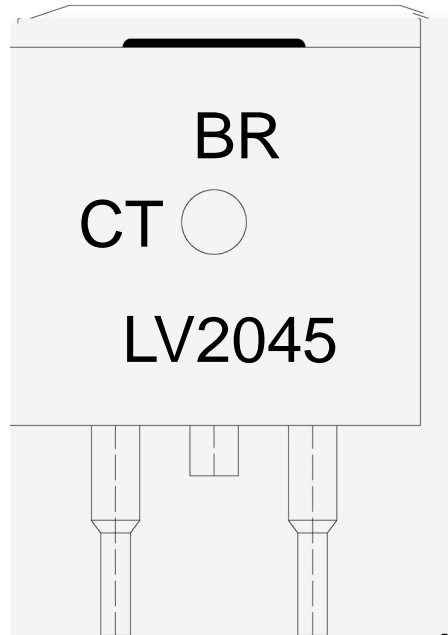
/Notes

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

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







Note:

BR:

Company Code

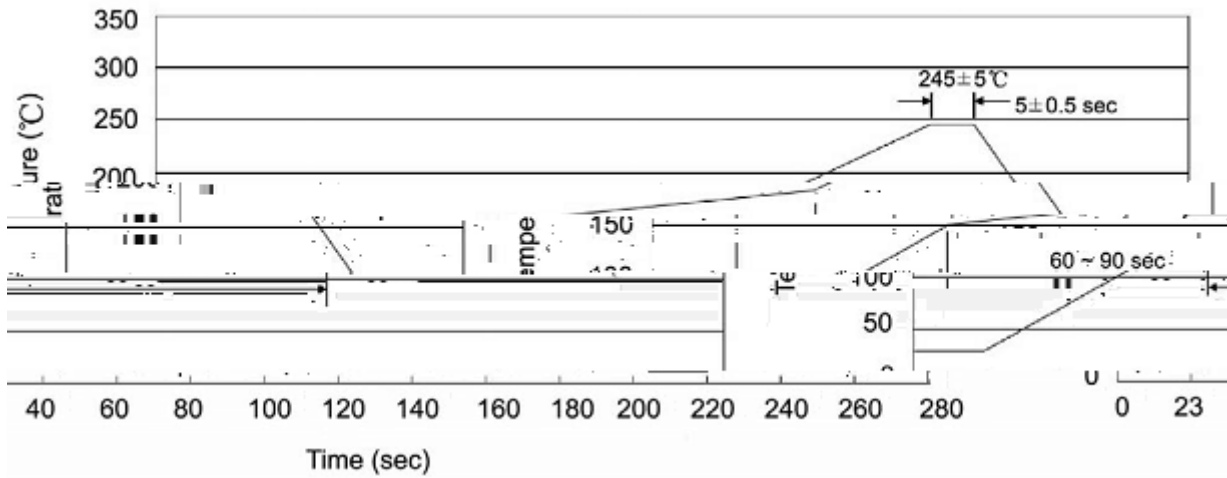
Product Type.

:

Internal Structure

\*\*\*\*:

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	Units					Dimension (unit mm <sup>3</sup> )		

/ TUBE

Package Type	Units					Dimension (unit mm <sup>3</sup> )		