

TO-263

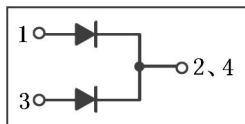
Schottky Barrier Diode in a TO-263 Plastic Package.

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

OR-ing

DC-DC

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

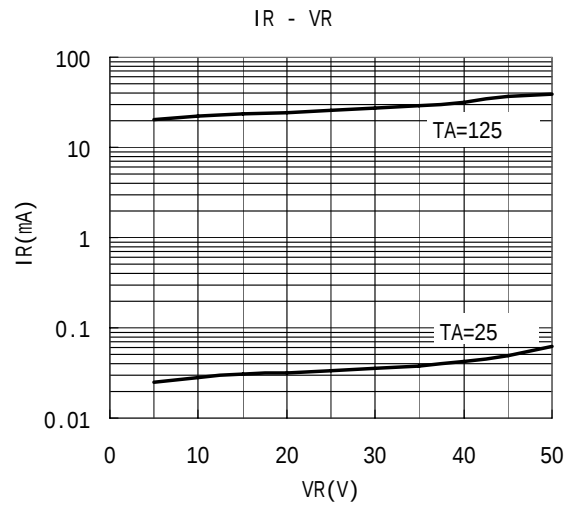
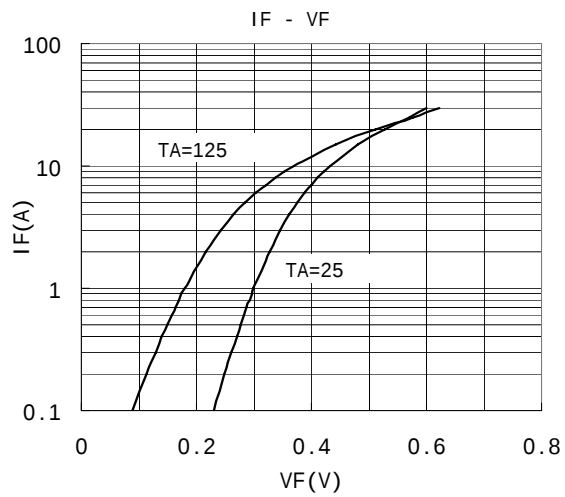
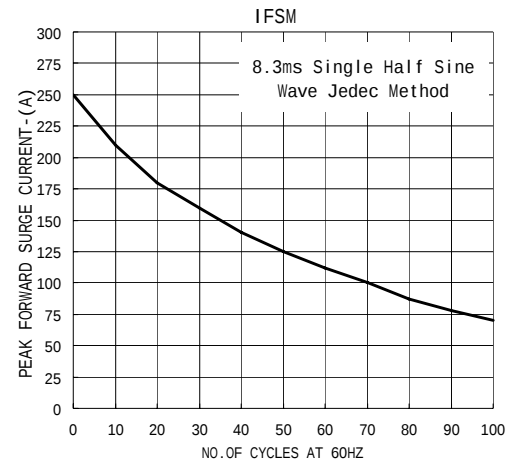
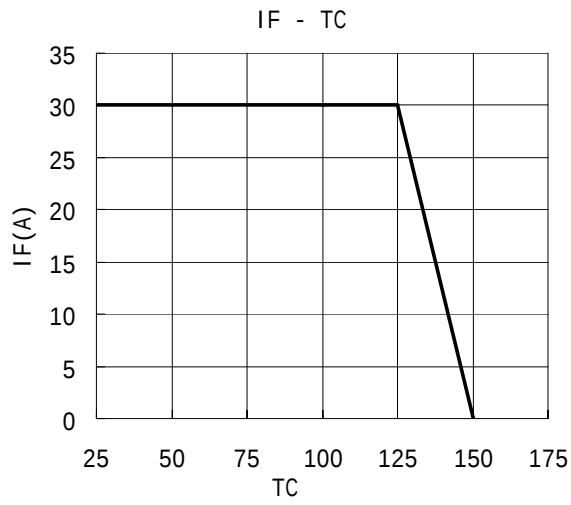
See Marking Instructions.

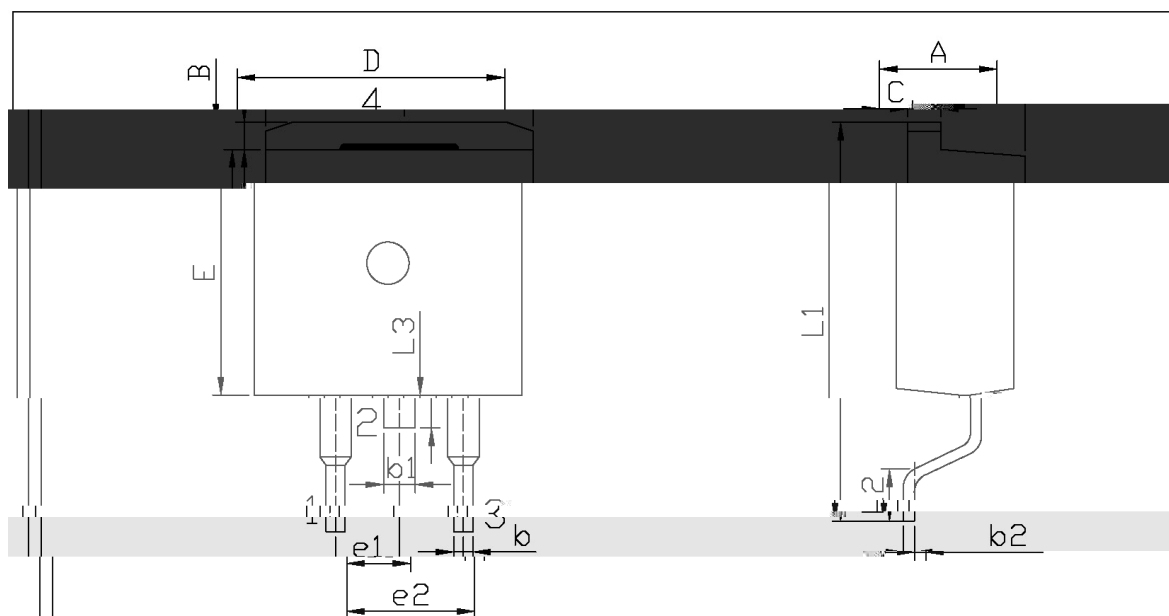
Parameter	Symbol	Rating	Unit
Peak Repetitive Reverse Voltage	V_{RRM}	45	V
Average forward rectified Current	I_F	2X15	A
Non Repetitive Peak Surge Current	I_{FSM}	250	A
Thermal Resistance Junction to Case	$R_{\theta Jc}$	2.8	/W
Junction and Storage Temperature Range	$T_j T_{stg}$	-40~+150	

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Reverse Voltage	$V_{(BR)R}$	$I_R=1mA$ $T_a=25$	45			V
Forward Voltage	V_{FM}	$I_F=5.0A$ $T_a=25$		0.38	0.45	V
		$I_F=15A$ $T_a=25$		0.48	0.55	V
		$I_F=5A$ $T_a=125$		0.28	0.35	V
		$I_F=15A$ $T_a=125$		0.45	0.50	V
Instantaneous Reverse Current	I_R Note 1	$V_R=45V$ $T_a=25$			200	μA
		$V_R=45V$ $T_a=125$		40	100	mA

/Notes

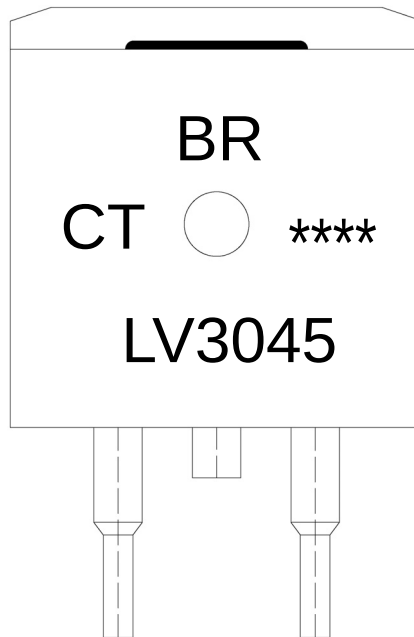
1. /Short duration pulse test used to minimize self-heating effect.
2. / Unless otherwise noted, values for the parameters of a single chip.





单位: mm

Symbol	Dimensions in Millimeters		Symbol	Dimensions in Millimeters	
	Min	Max		Min	Max
A	4.30	4.70	E _L	0.00	0.40
B	1.00	1.40	L ₁	0.00	0.40
C	0.50	0.80	L ₂	0.00	0.40
D	4.30	4.70	L ₃	0.00	0.40
E	0.50	0.80	b ₁	0.00	0.40
F	0.50	0.80	b ₂	0.00	0.40
G	0.50	0.80	e ₁	0.00	0.40
H	0.50	0.80	e ₂	0.00	0.40



BR

LV3045

CT:

Note:

BR:

LV3045

CT:

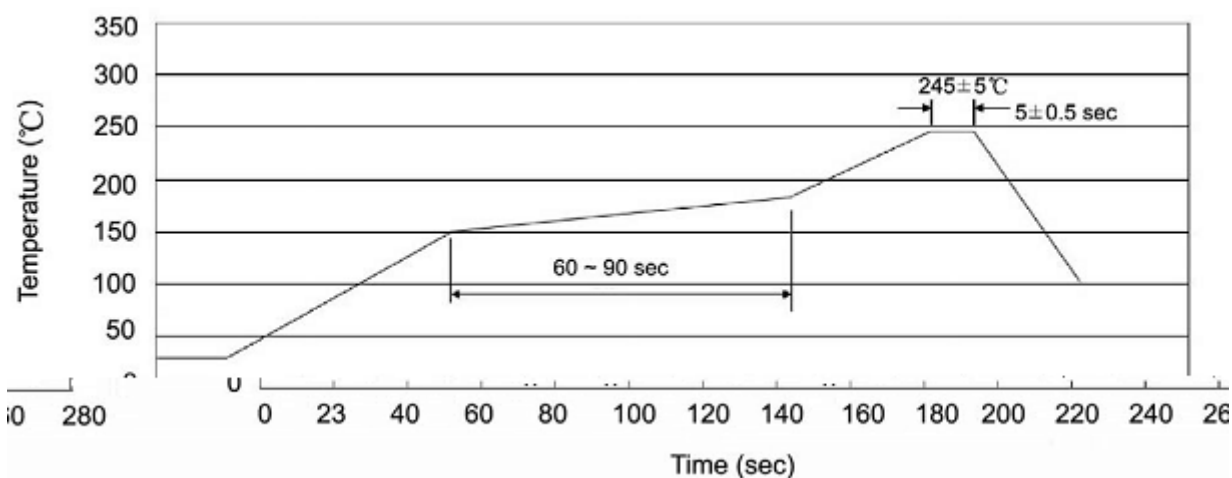
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Company Code

Product Type.

Internal Structure

Lot No. Code, code change with Lot No.



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
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/ 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 x24	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