

/ Descriptions

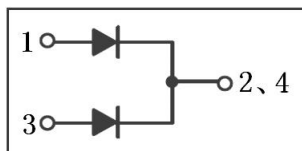
Schottky Diode in a TO-263 Plastic Package.

/ Features

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

/ Applications

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

/ Equivalent Circuit**/ Pinning**

PIN1 Anode

PIN 2 4 Cathode

PIN 3 Anode

/ h_{FE} Classifications & Marking

See Marking Instructions.

/ Absolute Maximum Ratings(Ta=25)

Parameter	Symbol	Rating	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Reverse Voltage	V_{RRM} V_{RWM} V_{DC}	200	V
RMS Reverse Voltage	V_{RMS}	140	V
Average forward rectified Current	I_F	2X15	A
Non Repetitive Peak Surge Current	I_{FSM}	200	A
Thermal Resistance Junction to Case	R_{Jc}	4.6	°C/W
Junction and Storage Temperature Range	T_j T_{stg}	-40~+150	°C

/ Electrical Characteristics(Ta=25)

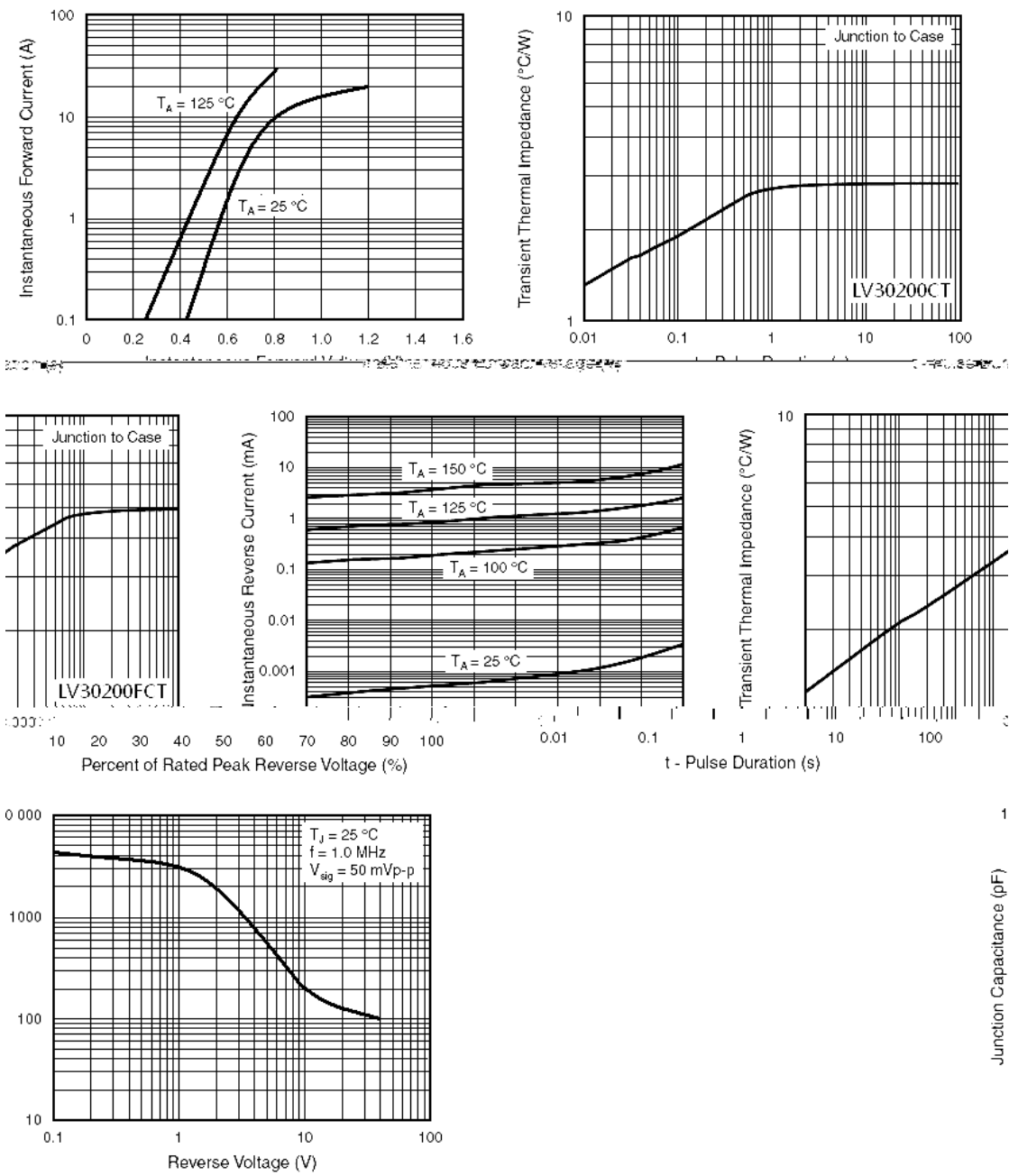
Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Reverse Voltage	$V_{(BR)R}$	$I_R=1mA$ $T_a=25$	200			V
Forward Voltage	V_{FM}	$I_F=5.0A$ $T_a=25^{\circ}C$		0.73	0.85	V
		$I_F=10A$ $T_a=25^{\circ}C$		0.80	0.95	V
		$I_F=15A$ $T_a=25^{\circ}C$		0.92	1.15	V
		$I_F=5.0A$ $T_a=125$		0.58		V
		$I_F=15A$ $T_a=125$		0.66		V
		$I_F=20A$ $T_a=125$		0.71	0.85	V
Instantaneous Reverse Current	I_R Note 1	$V_R=200V$ $T_a=25^{\circ}C$		4	20	uA
		$V_R=200V$ $T_a=125^{\circ}C$		5	10	mA

/Notes

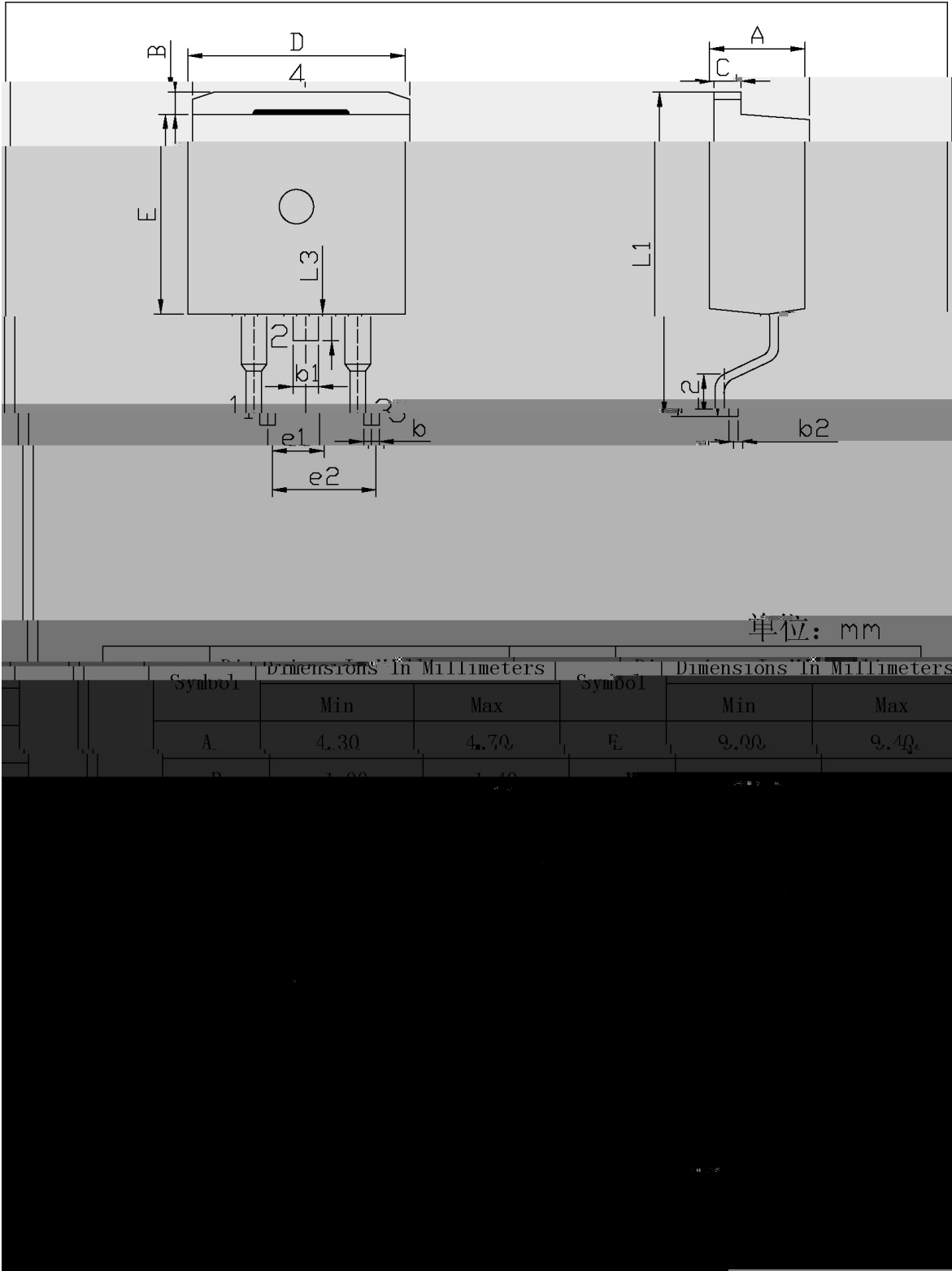
/Short duration pulse test used to minimize self-heating effect.

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

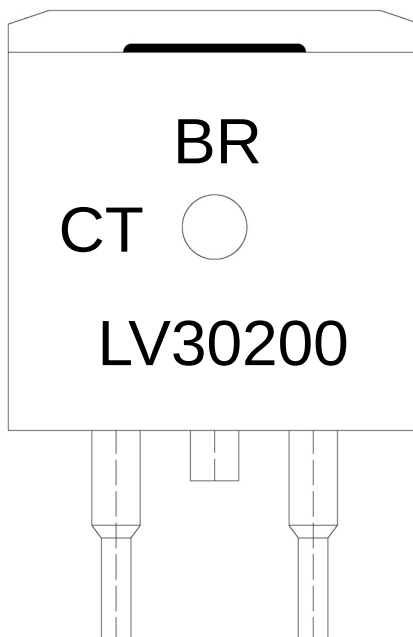
/ Electrical Characteristic Curve



/ Package Dimensions



/ Marking Instructions



BR

Note:

BR:

Company Code

Product Type.

:

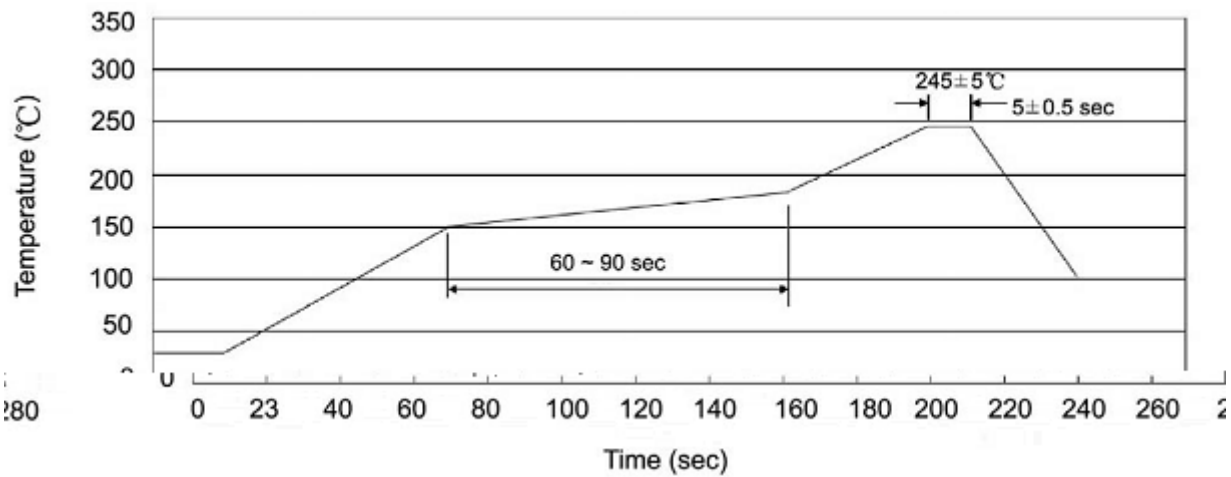
Internal Structure

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Lot No. Code, code change with Lot No.



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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. |

/ Resistance to Soldering Heat Test Conditions

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

/ Packaging SPEC.

/ REEL

Package Type 封装形式	Units 包装数量					Dimension 包装尺寸 (unit: mm ³)		
	只 卷盘	卷盘 盒	只 盒	盒 箱	只 箱		盒	箱

/ TUBE

Package Type 封装形式	Units 包装数量					Dimension 包装尺寸 (unit: mm ³)		
	只 套管	套管 盒	只 盒	盒 箱	只 箱	套管	盒	箱

/ Notices