

# LV10100DCT

Rev.F May.-2016

TO 5)

Schottky Diode in a TO-252 Plastic Package.

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

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Parameter	Symbol	Rating	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	$V_{RRM}$ $V_{RWM}$ $V_{RM}$	100	V
RMS Voltage	$V_{RMS}$	70	V
Average Rectified Forward Current	$I_{F(AV)}$	2X5	A
Non Repetitive Peak Surge Current	$I_{FSM}$	80	A
Typical 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	$V_{BR}$	$I_R=1mA$ $T_a=25$	100			V
		$I_F=3A$ $T_a=25$		0.59		V

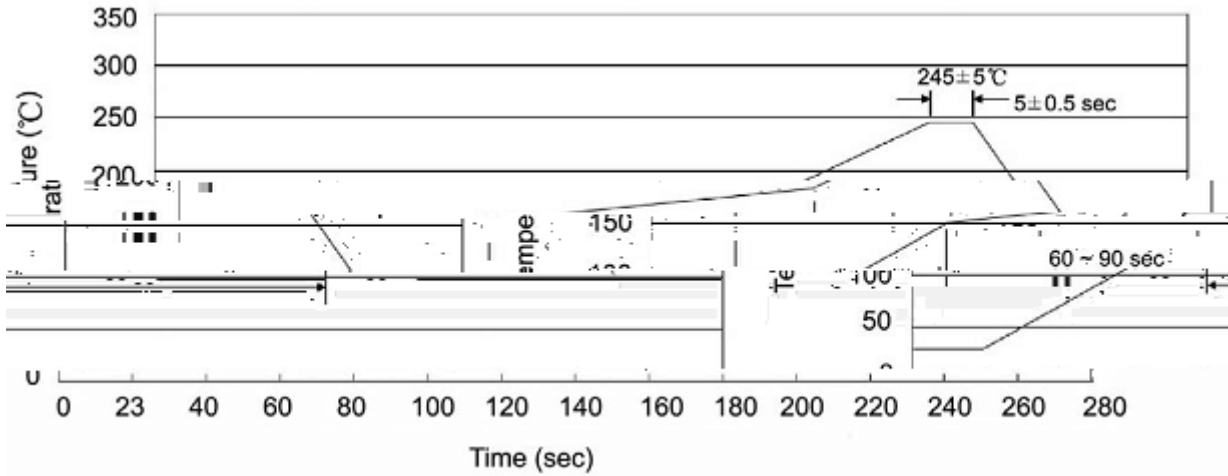
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Rev.F May.-2016

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( ) / 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.            |

/ Resistance to Soldering Heat Test Conditions

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

/ Packaging SPEC.

/ REEL

Package Type 封装	Units 包 数量					Dimension 包 尺寸 (unit: mm <sup>3</sup> )		
	Units/Reel /卷	Reels/Inner Box 卷 /	Units/Inner Box /	Inner Boxes/Outer Box /	Units/Outer Box /	Reel x	Inner Box x	Outer Box x
TO-252	2,500	2	5,000	5	25,000	12 x 16	360x360x50	385x257x392

/ TUBE

Package Type 封装	Units 包 数量					Dimension 包 尺寸 (unit: mm <sup>3</sup> )		
	Units/Tube /	Tubes/Inner Box /	Units/Inner Box /	Inner Boxes/Outer Box /	Units/Outer Box /	Tube x	Inner Box x	Outer Box x
TO-251/252	75	48	3,600	5	18,000	526 x 20.5 x 5.25	555x164x50	575x290x180

/ Notices