

LV10100DCT

Rev.F May.-2016

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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

Forward Voltage

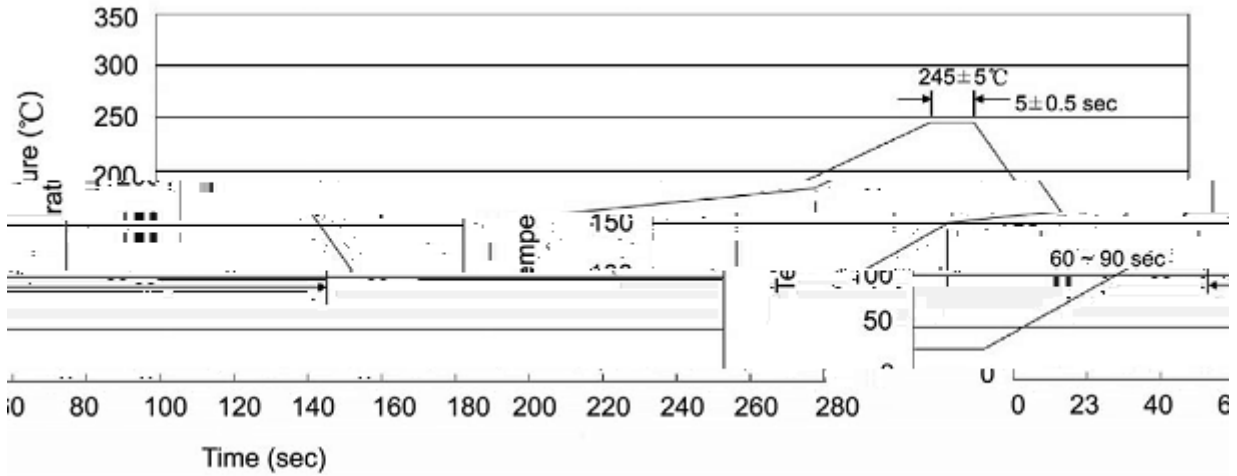
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() / Temperature Profile for IR Reflow Soldering(Pb-Free)



Note:

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|---|-------|-----|-------|----------|---|
| 1 | 25 | 150 | 60 | 90sec; | 1.Preheating:25~150 , Time:60~90sec. |
| 2 | 245±5 | | 5±0.5 | sec; | 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 ³)			
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/ TUBE

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/ Notices