

/ Revised record

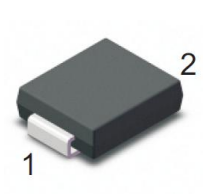
A	2020-4-24				
B	2021-2-9	2/8	VF 5 3;		

100V 3.0A SMC

Surface Mount Schottky Barrier Rectifier, Reverse Voltage: 100V, Forward Current:3.0A ,SMC package.

Metal silicon junction, majority carrier conduction, Low power loss, high efficiency, High forward surge current capability, For use in low voltage, high frequency inverters, and polarity protection applications, For surface mounted applications, Halogen free product.

General purpose.



/ Marking

See Marking Instructions.

Parameter	Symbol	Rating	Unit
		SSL310C	
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	100	V
Maximum RMS voltage	V_{RMS}	70	V
Maximum DC Blocking Voltage	V_{DC}	100	V
Maximum Average Forward Rectified Current	$I_{F\ AV}$	3.0	AX
Peak Forward Surge Current, 8.3ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)	I_{FSM}	80	A
Typical Junction Capacitance ¹⁾	C_i	180	pF
Typical Thermal Resistance ²⁾	$R_{\theta JA}$	70	°C/W
Operating Junction Temperature Range	T_j	-55 ~ +150	°C
Storage Temperature Range	T_{stg}	-55 ~ +150	°C

Note:

- 1) Measured at 1MHz and applied reverse voltage of 4 V D.C.
- 2) P.C.B. mounted with 2.0 X 2.0" (5 X 5 cm) copper pad areas.

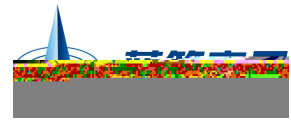
Parameter	Symbol	Test Conditions	数值 Rating	Unit
			SSL310C	
Max Instantaneous Forward Voltage	V_F	$I_F=3.0A$	0.6	V

MaxxxxxxxxxxxxxxxxxxxD

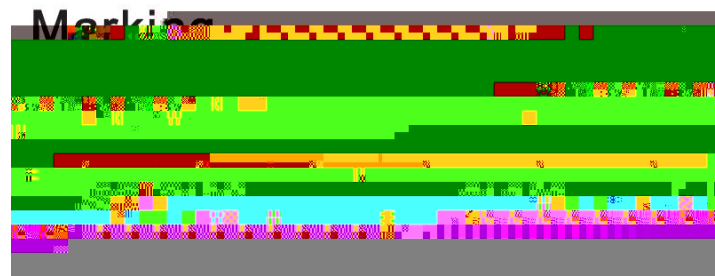
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/ Electrical Characteristic Curve

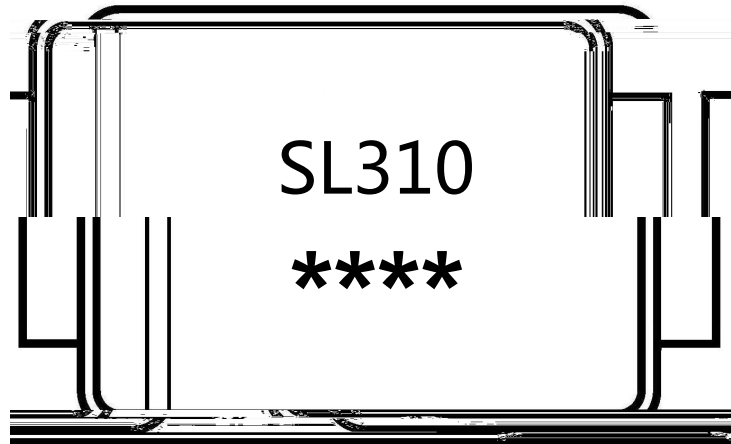




/ Marking Instructions



/ Marking Instructions



SL310

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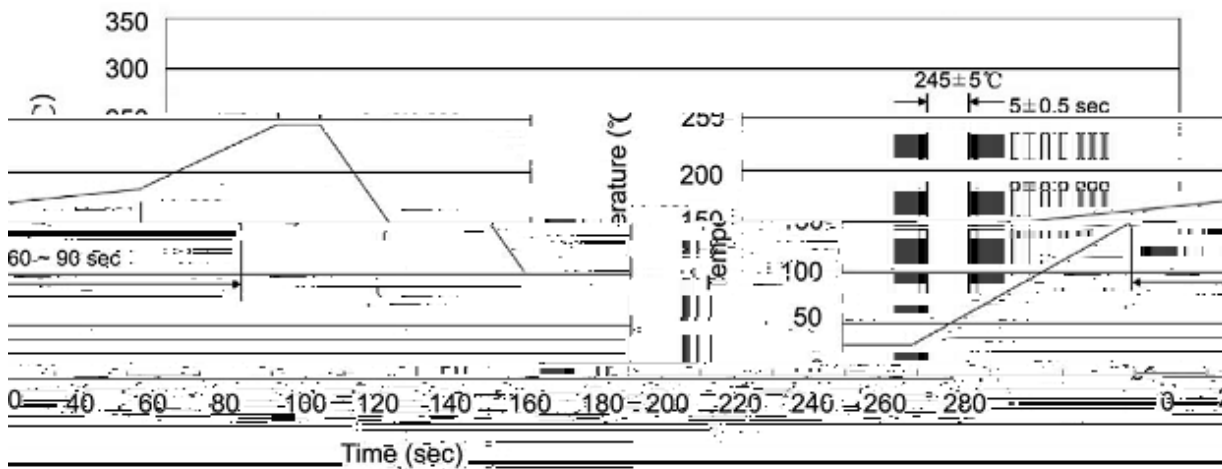
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Note:

SL310 Product Type Code

**** Lot No. Code The 1st * means:YM Code The last 3 * means:little Lot No
Code

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



Note:

- | | | | |
|---|-------------|-----------|--|
| 1 | 150 180 | 60 90sec; | 1.Preheating:150~180°C, Time:60~90sec. |
| 2 | 245±5 | 5±0.5sec; | 2.Peak Temp.:245±5°C, Duration:5±0.5sec. |
| 3 | 2 10°C/sec. | | 3. Cooling Speed: 2~10°C/sec. |

/ Resistance to Soldering Heat Test Conditions

260±5°C 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)		
	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
SMC	3000	2	6000	6	36000	13" ×16	337X337X49	380X335X366

/ Notices