!

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

100V 3.0A SMC

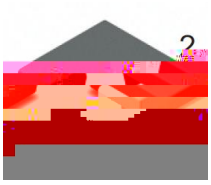
Surface Mount Schottky Barrier Rectifier, Reverse Voltage： 100V, Forward Current:3.0A ,SMC package.

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.

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General purpose.





" # $ %

See Marking Instructions.

6 7 8 9 :

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	A
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	℃/W
Operating Junction Temperature Range	T_j	-55 ~ +150	℃
Storage Temperature Range	T_{stg}	-55 ~ +150	℃

Note:

1） Measured at 1MHz and applied reverse voltage of 4 V D.C.

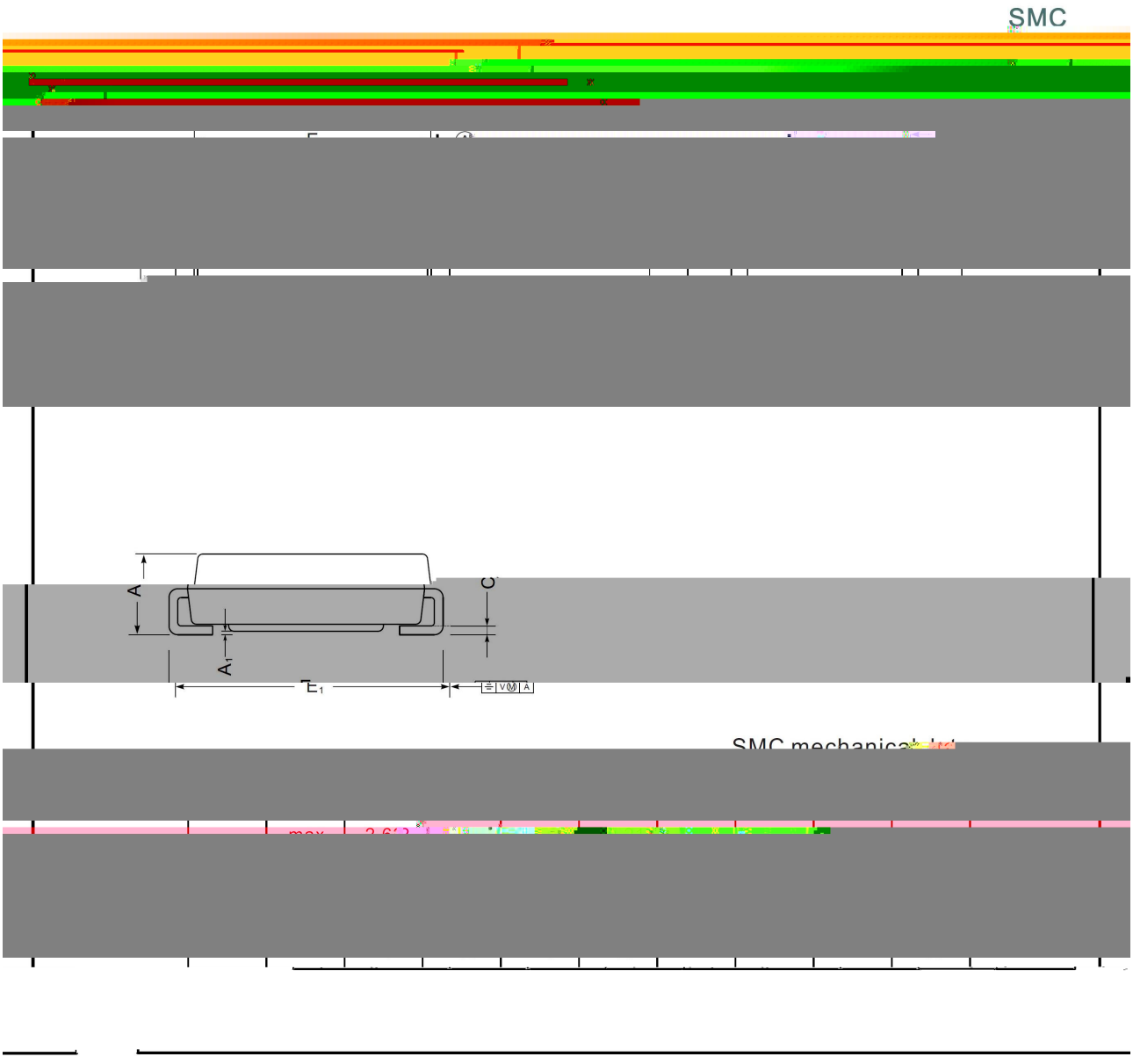
2） P.C.B. mounted with 2.0 X 2.0" (5 X 5 cm) copper pad areas.

0 ; < 8 9 :

Parameter	Symbol	Test Conditions	数值 Rating	Unit
			SSL310C	
Max Instantaneous Forward Voltage	V_F	I_F=3.0A	0.6	V
Maximum DC Reverse Current at Rated DC Reverse Voltage	I_R	T_a=25℃	0.3	mA

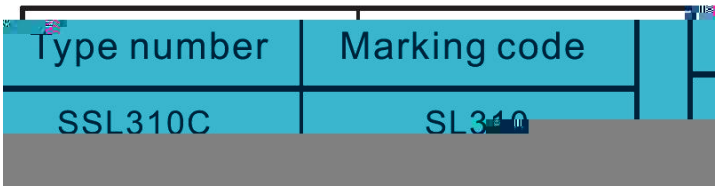
0 8 9 = > ?

@A B C ?



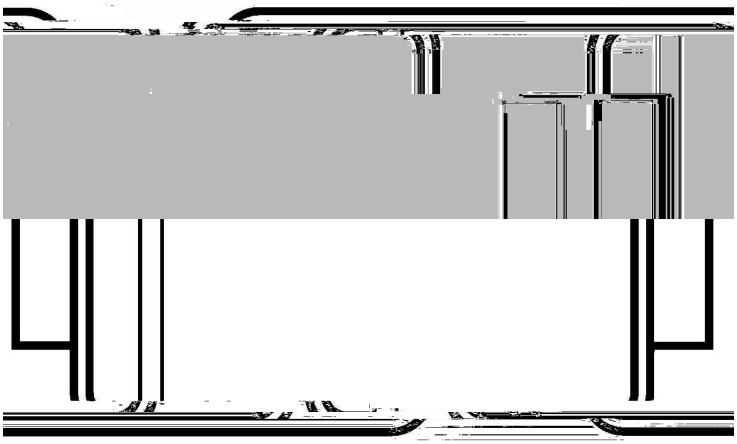
" # D E

Marking



Type number	Marking code
SSL310C	SL310

" # D E



SL310

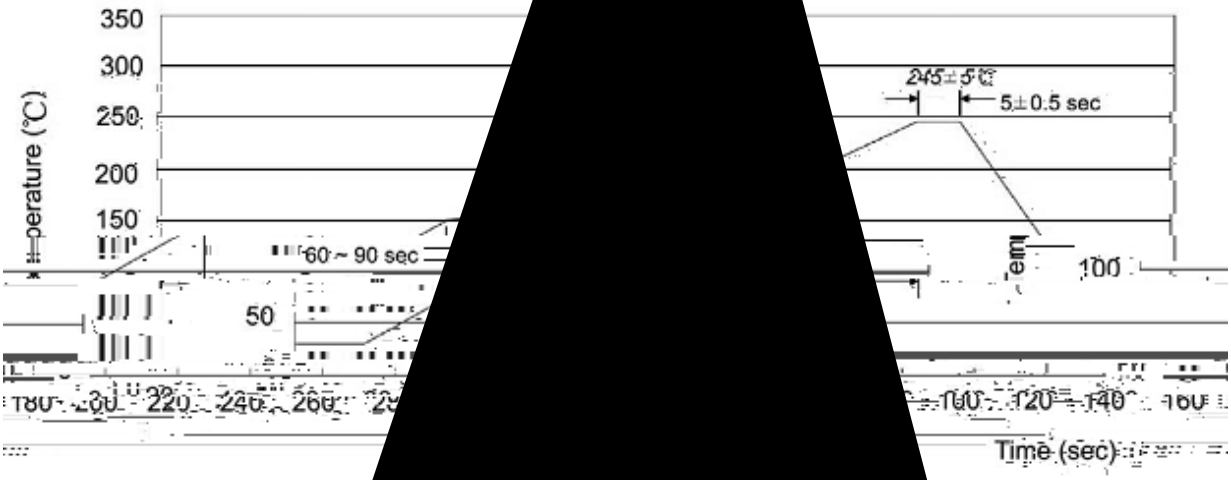
1 F 3 F

Note:

SL310 Product Type Code

Lot No. Code The 1st

H I J K L = > ? M N OPQRPSTUVSPGW X^G_X[`PSZabcWdefSPPg



1	150 180	℃, Time:60~90sec.
2	245±5	, Duration:5±0.5sec.
3		℃/sec.

h J i j k l m n

260±5℃ 10±1 sec

o p q r

/ F

Package Type 封装形式								(unit: mm^3)
	Un							Outer Box 箱
SMC	3000	2	6000	6				