

Rev. B Feb.-2021



A	2019-3-21	ALL			

Rev. B Feb



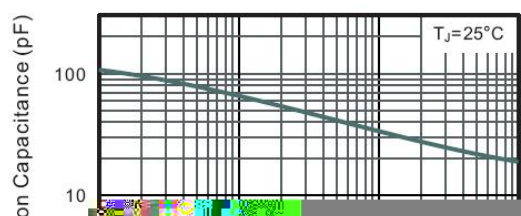
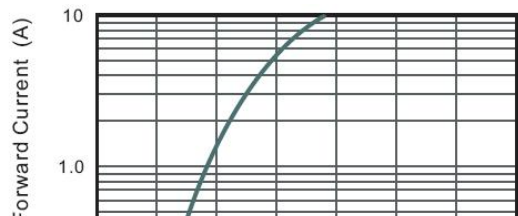
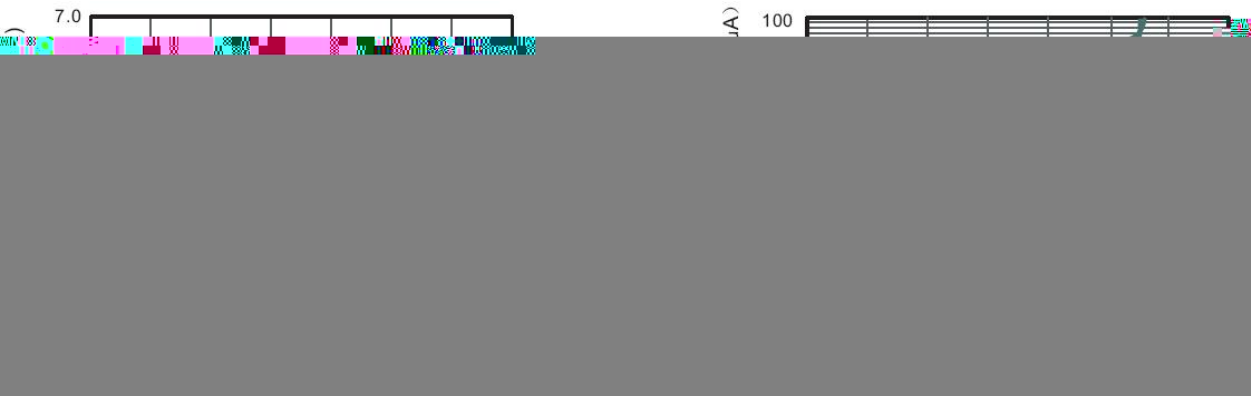
Rev. B Feb.-2021

参数 Parameter	符号 Symbol	数值 Rating							单位 Unit
		S5AC	S5BC	S5DC	S5GC	S5JC	S5KC	S5MC	
Maximum Repetitive Peak Reverse Voltage	V _{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS voltage	V _{RMS}	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V _{DC}	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current	I _{F (AV)}	5.0							A
Peak Forward Surge Current,8.3ms Single Half Sine-wave Superimposed on Rated Load	I _{FSM}	120							A
Typical Junction Capacitance ¹⁾	C _i	50							pF
Typical Thermal Resistance ²⁾	R _{θJA}	35							℃/W
	R _{θJC}	13							
Operating Junction Temperature Range	T _j	-55~+150							℃
Storage Temperature Range	T _{stg}	-55~+150							℃

Note:

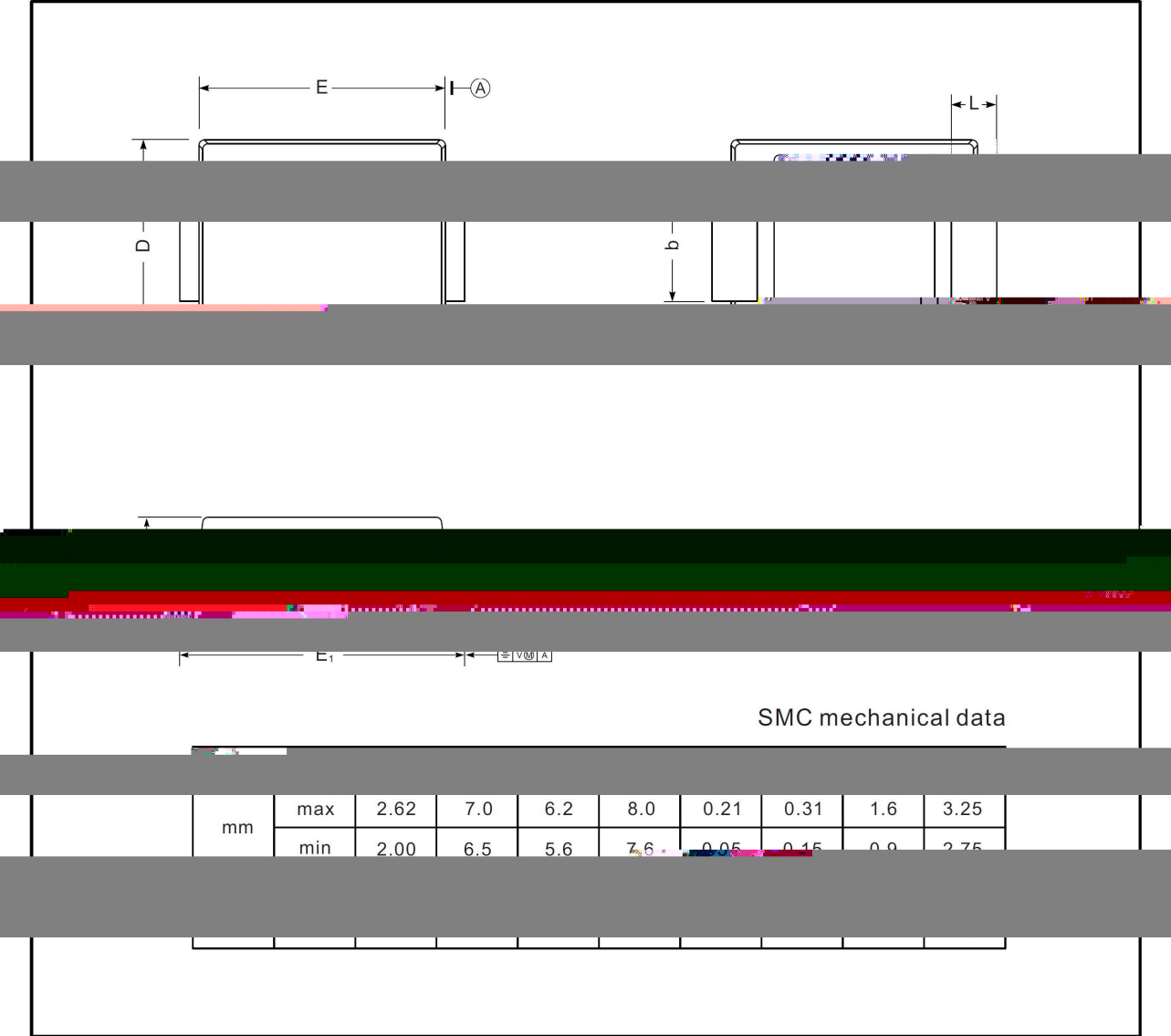
- 1) Measured at 1MHz and applied reverse voltage of 4 V D.C.
- 2) P.C.B. mounted with 2.0 X 2.0" (5 X 5 cm) copper pad areas.

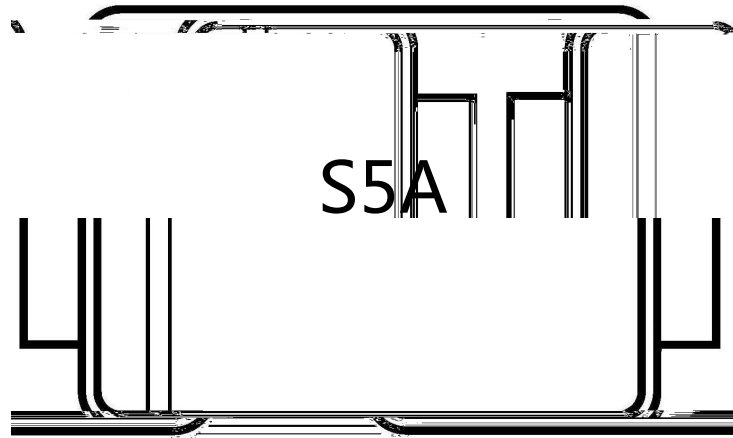
参数 Parameter	符号 Symbol	测试条件 Test Conditions	数值 Rating							单位 Unit
			S5AC	S5BC	S5DC	S5GC	S5JC	S5KC	S5MC	
Max Instantaneous Forward Voltage MaxM	V_F	$I_F=5.0A$	1.0							V





SMC





说明

S5A : 为型号代码

**** : 为生产批号追溯码，第 1 个*为年月代码，后面 3 个*为当月小批号代码

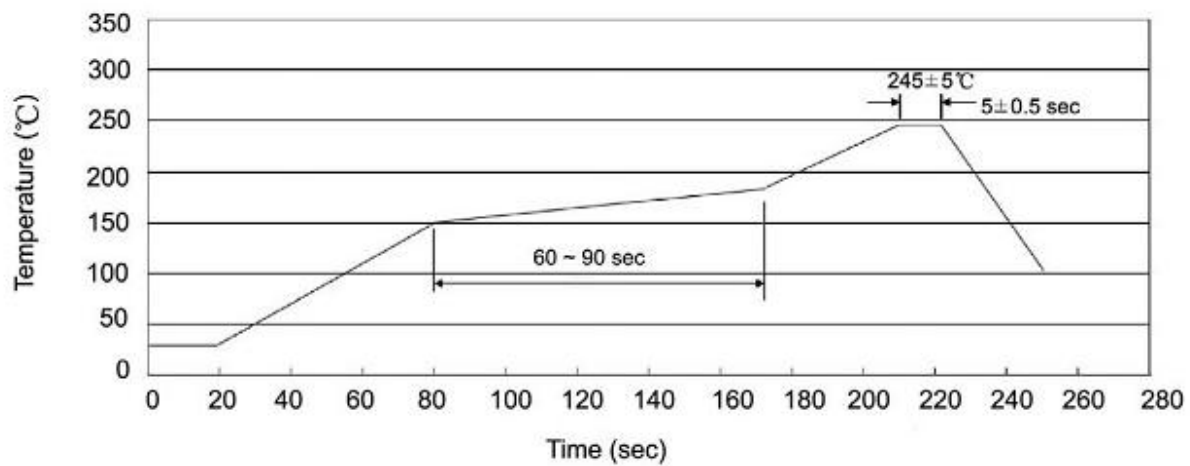
Note:

S5A : 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. |

260±5°C

10±1 sec.

Temp.:260±5°C

Time:10±1 sec

/ 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