/ Revised record

A	2019-7-23	ALL	SMC-A-S8KC_S8MC-8A1KV		
B	2021-2-9	2/8			

800~1000V 8.0A SMC

Surface Mount General Purpose Silicon Rectifier, Reverse Voltage：800 to 1000 V, Forward Current:8.0A ,SMC package.

RoHS 2011/65/EU

Glass Passivated Chip Junction,Lead free in comply

参数 Parameter	符号 Symbol	数 Rati [redacted]		单位 Unit
		S8KC	[redacted]	
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	800	[redacted]	V
Maximum RMS voltage	V_{RMS}	560	[redacted]	V
Maximum DC Blocking Voltage	V_{DC}	800	1000	V
Maximum Average Forward Rectified Current	$I_{F(AV)}$	8.0		A

.0.7 623TD J ET q,r 9.8

/ Electrical Characteristic Curve

Fig.1 Forward Current Derating Curve

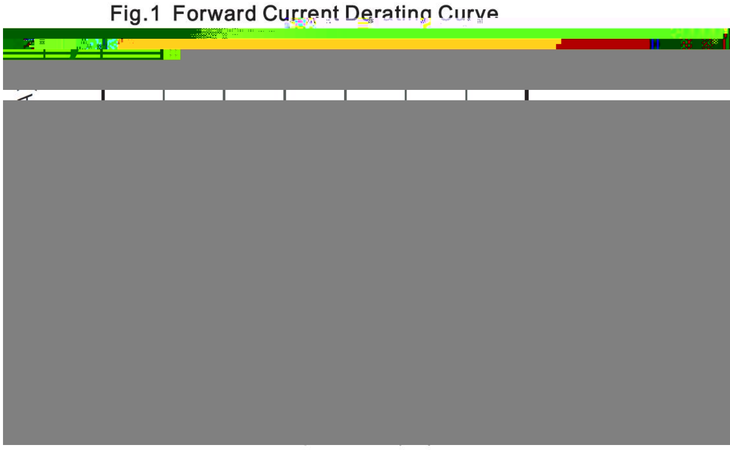


Fig.2 Typical Reverse Characteristics

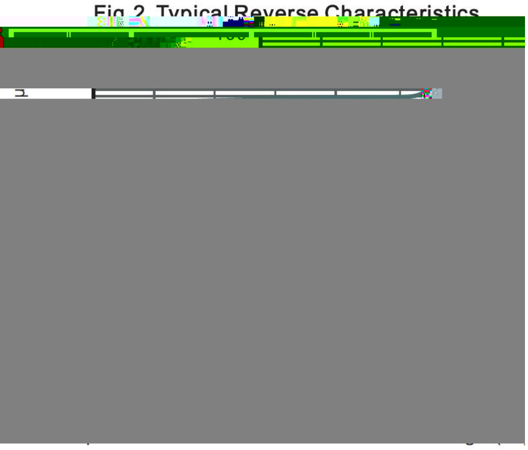


Fig.3 Typical Forward Characteristic

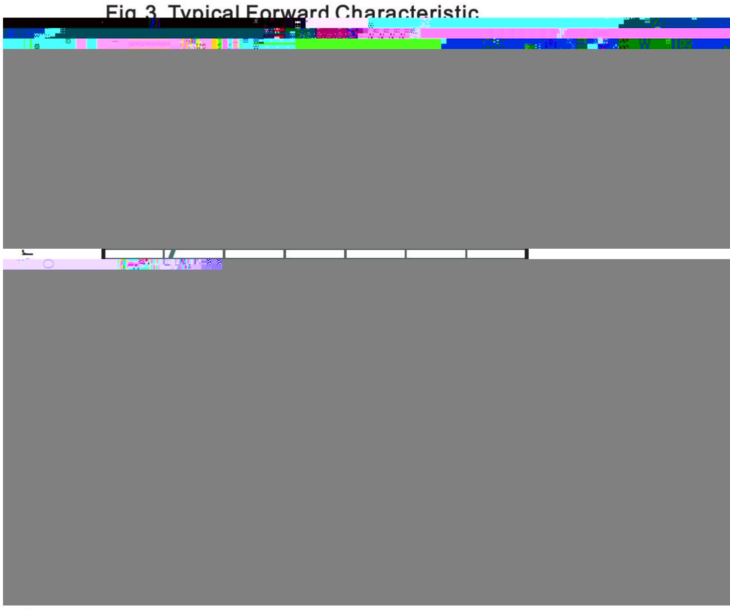
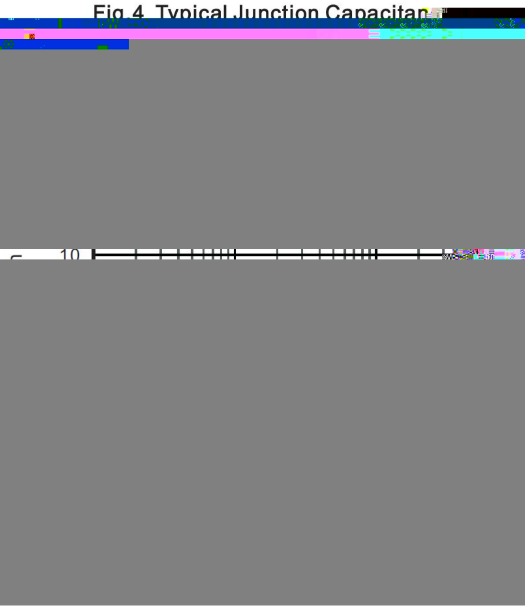
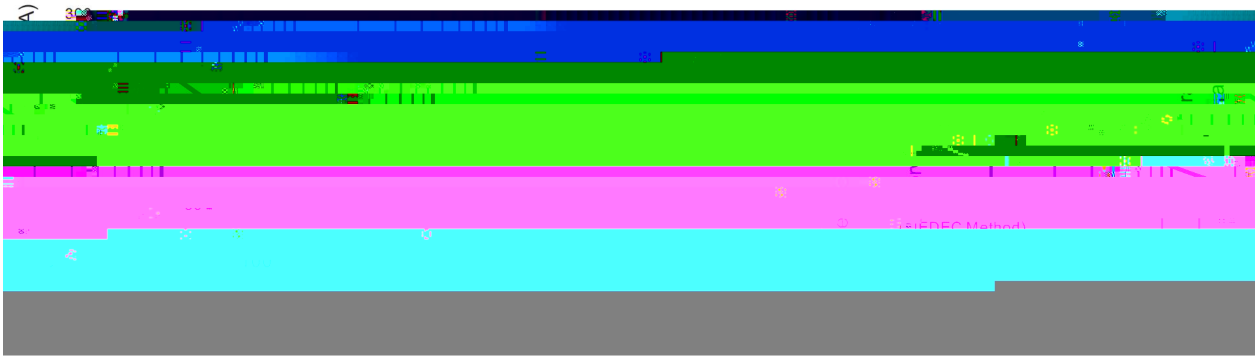


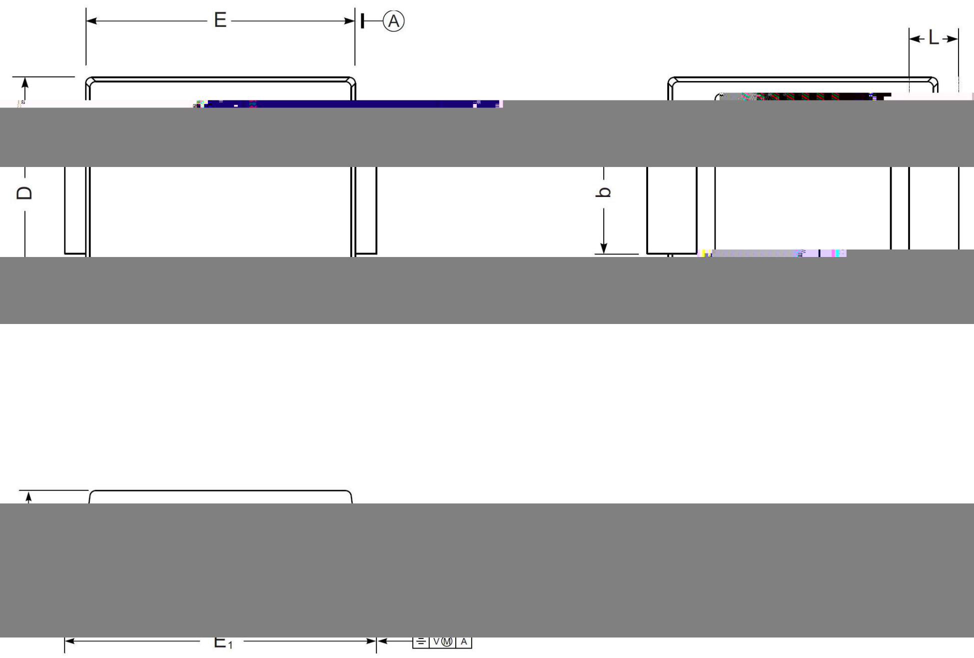
Fig.4 Typical Junction Capacitan





/ Package Dimensions

SMC

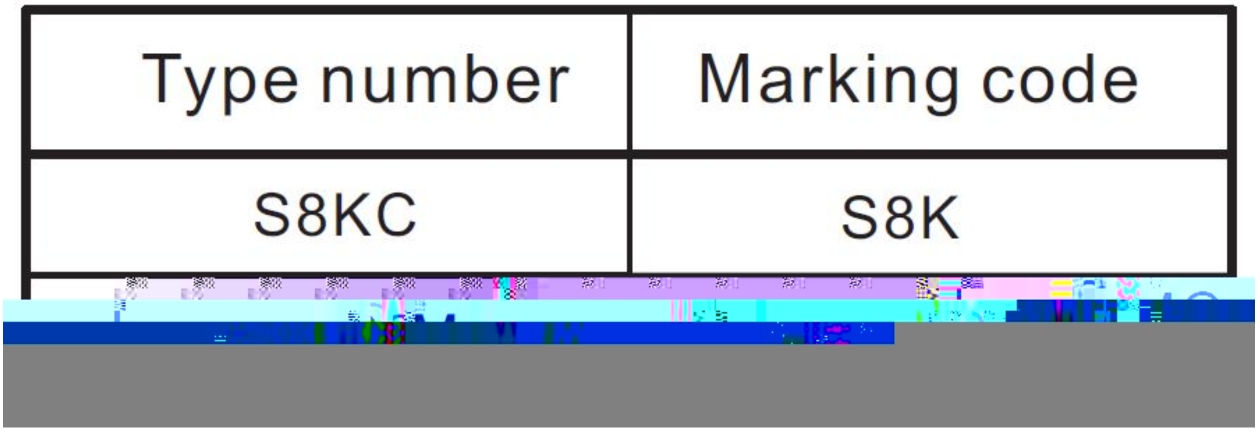


SMC mechanical data

mm	max	2.62	7.0	6.2	8.0	0.21	0.31	1.6	3.25
	min	2.00	6.5	5.6	7.6	0.05	0.15	0.9	2.75

/ Marking Instructions

Marking



Type number	Marking code
S8KC	S8K
[illegible]	[illegible]

/ Marking Instructions

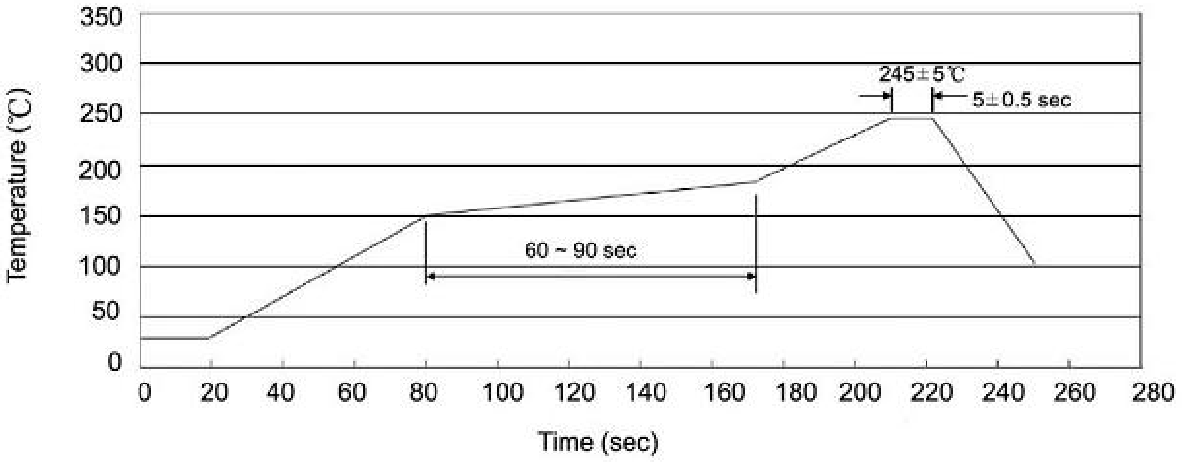
S8K

**** 1 * 3 *

Note:

S8K	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)



1 150 180 60 90sec;
2 245±5 5±0.5sec;
3 2 10℃/sec.

Note:
1.Preheating:150~180℃, Time:60~90sec.
2.Peak Temp.:245±5℃, Duration:5±0.5sec.
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	Units					Dimension		(unit mm^3)
	只 卷盘	卷盘 盒	只 盒	盒 箱	只 箱			
SMC	3000	2	6000	6	36000	13″ ×16	337X337X49	380X335X366

/ Notices