

/ Revised record

A	2019-1-12					
B	2021-2-9	5/9	Td V_F 5V R_{θJA} R_{θJL} P_D			

10/1000 μ s

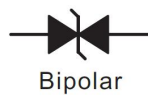
1500W

5.0V~440V SMC

Surface mount transient voltage suppressor, 1500W peak pulse power capability at 10/1000 μ s waveform, Reverse Stand-Off Voltage: 5.0V~440V, SMC package.

Glass passivated junction, Low inductance, For surface mounted applications, HF product.

General purpose.

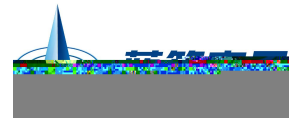


/ Absolute Maximum Ratings(Ta=25 °C)

参数 Parameter	符号 Symbol	数值 Rating	单位 Unit
Peak Pulse Power Dissipation on 10/1000 us waveform	P_{PPM}	1500	W
Peak Forward Surge Current, 8.3ms Single Half Sine-Wave Superimposed on Rated Load (JEDEC Method)	I_{FSM} (UNI)	200	A
Power dissipation on Infinite heat sink at TA=50 °C	P_D	6.5	W
Maximum instantaneous forward voltage at 100 A for unidirectional only	V_F	3.5	V
Typical Thermal Resistance Junction to Ambient(Note 1)	$R_{\theta JA}$ $R_{\theta JL}$	75 15	°C/W
Operating Junction and Storage Temperature Range	T_j, T_{stg}	-55 ~ +150	°C

Note:

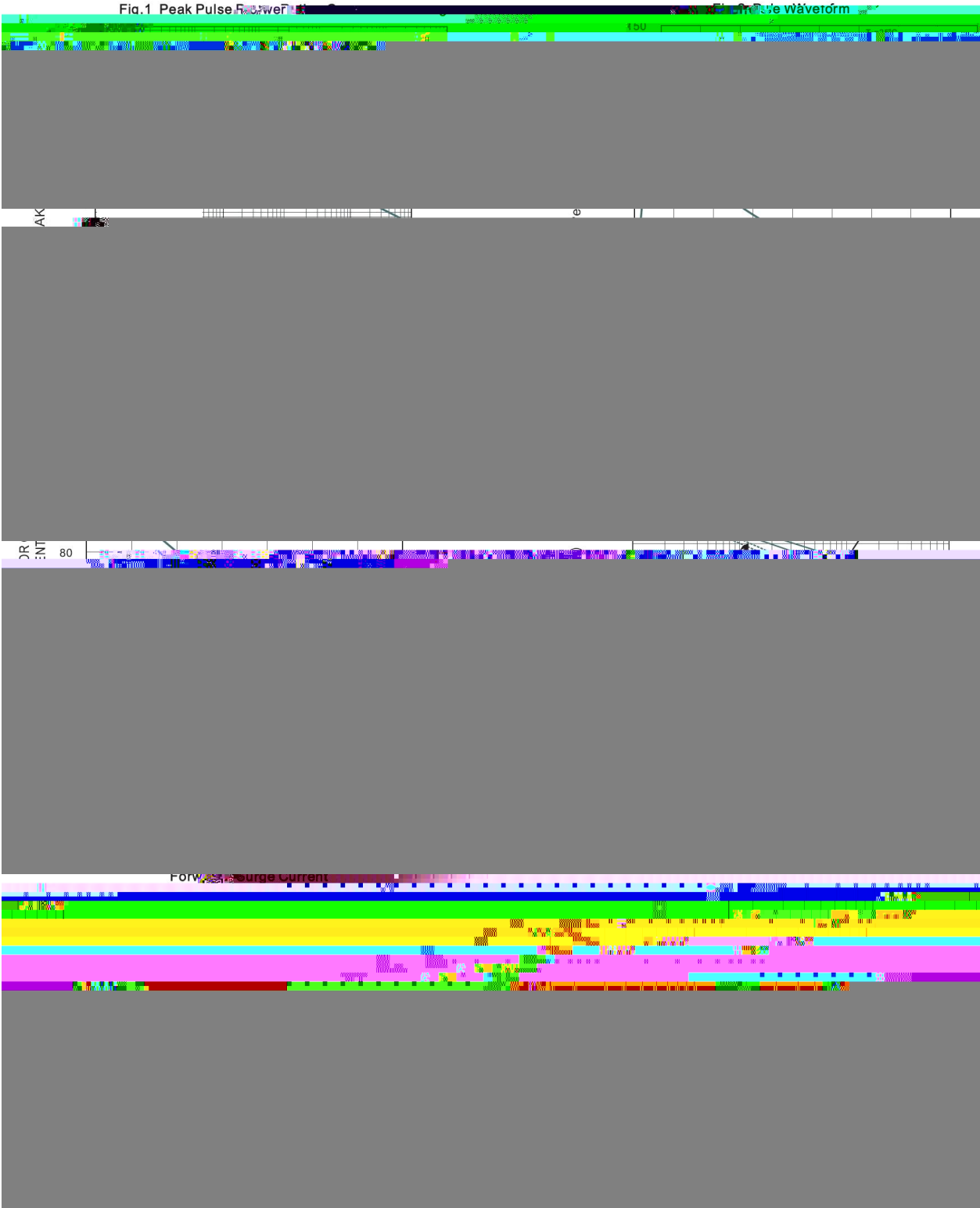
1. Mounted on 8 mm² (0.13mm thick) land areas.



Type		Reverse Stand-off Voltage	Breakdown Voltage		Test Current	Maximum Reverse Leakage	Max. Clamp Voltage	Peak Pulse Current	Package	
			V _{BR} @ I _T						SMC	
		V _{RRM}	Min	Max	I _T	I _R @ V _{RRM}	V _C @ I _{PP}	I _{PP}	Device Marking Ccode	
UNI	BI	V	V	V	mA	uA	V	A	UNI	BI
SMCJ5.0A	SMCJ5.0CA	5	6.4	7	10	800	9.2	163	GDE	BDE
SMCJ6.0A	SMCJ6.0CA	6	6.67	7.37	10	800	10.3	145.7	GDG	BDG

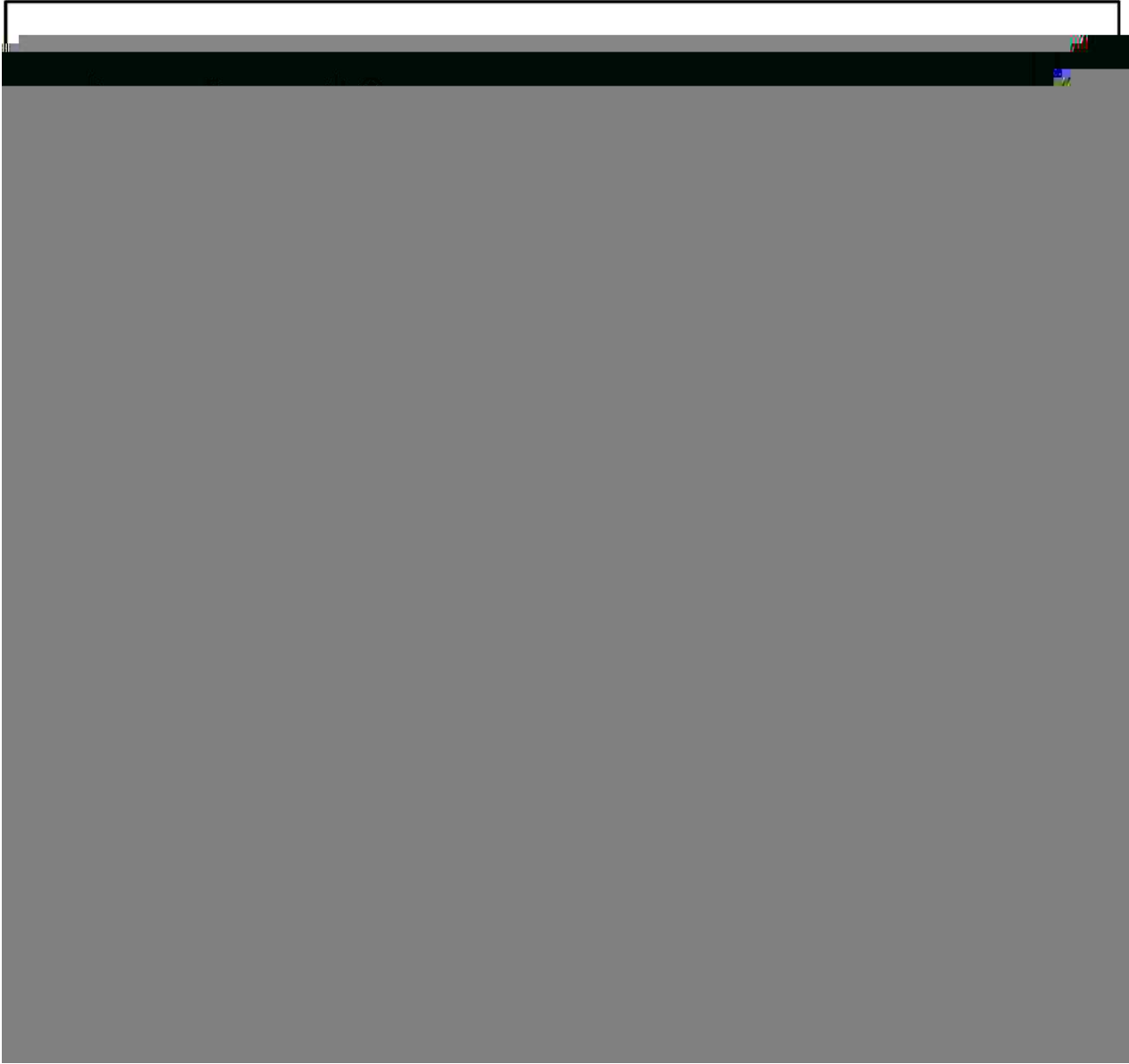
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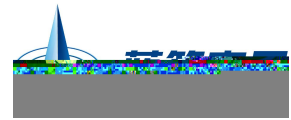
/ Electrical Characteristic Curve



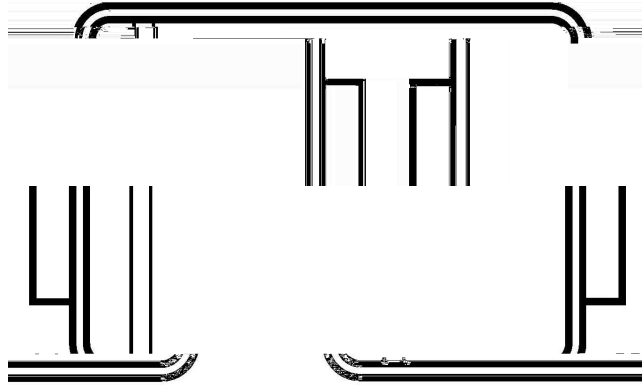
/ Package Dimensions

SMC

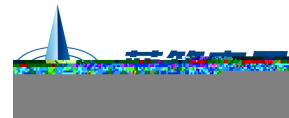




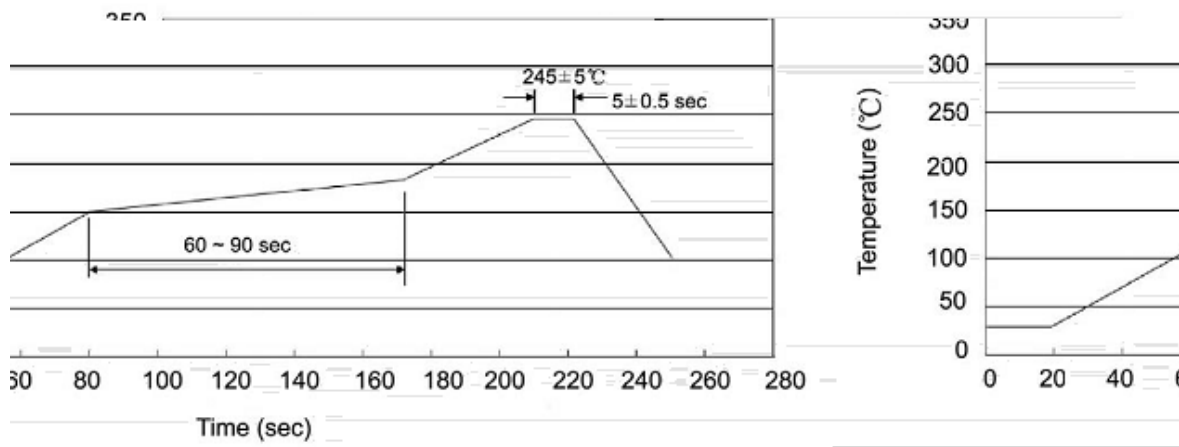
/ Marking Instructions



SMCJ Series
Rev. B Feb.-2021



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



Note:

1 150 180 60 90sec; 1.Pre pE