Surface mount transient voltage suppressor power 1100 watts Stand-Off Voltage: 300V~400V

FEATURES

- For surface mounted applications in order to optimize board space.
- · Low profile package
- · Glass passivated junction
- Excellent clamping capability
- · Low incremental surge resistance

MECHANICAL DATA

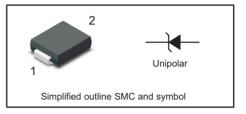
· Case: SMC

• Terminals: Solderable per MIL-STD-750, Method 2026

Approx. Weight: 0.22g (0.0077oz)

PINNING

PIN	DESCRIPTION					
1	Cathode					
2	Anode					



Maximum Ratings and Electrical characteristics Ratings at 25°C ambient temperature unless otherwise specified.

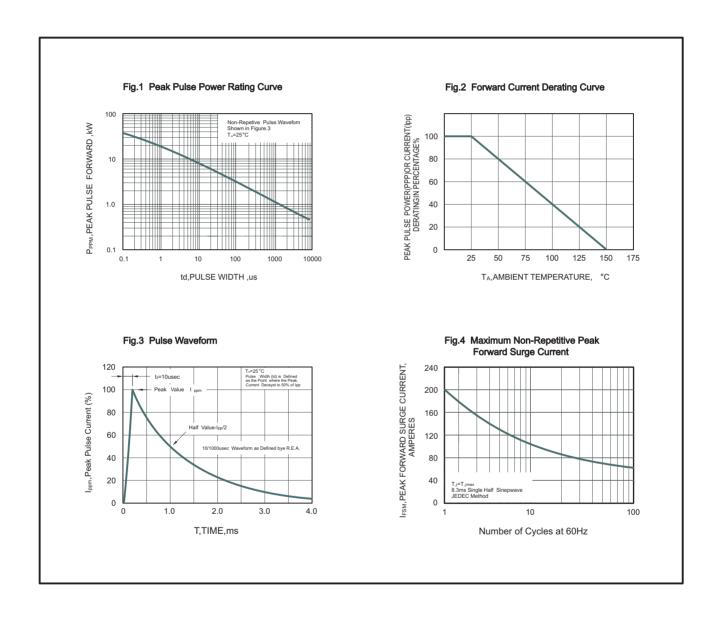
Parameter	Symbol	Value	Unit
Peak Pulse Power Dissipation on 10/1000 us waveform	P _{PPM}	1100	W
Peak Forward Surge Current,8.3ms Single Half Sine-Wave Superimposed on Rated Load (JEDEC Method)	FSM	200	А
Power dissipation on Infinite heat sink at T _A =50°C	Pb	6.5	W
Maximum instantaneous forward voltage at 100 A for unidirectional only	VF	3.5	V
Peak Pulse Current on 10/1000 us waveform	I _{PPM}	See Next Table	А
Typical Thermal Resistance Junction to Ambient(Note 1)	$R_{\scriptscriptstyle{ hetaJA}}$	37	°C/W
Operating Junction Temperature and Storage Temperature Range	T_{j},T_{stg}	-55 ~ +150	°C

NOTES:

1. P.C.B. mounted with 1.5" X 1.5" (3.8 X 3.8 cm) copper pad areas.

Characteristics at Ta = 25°C Table 1

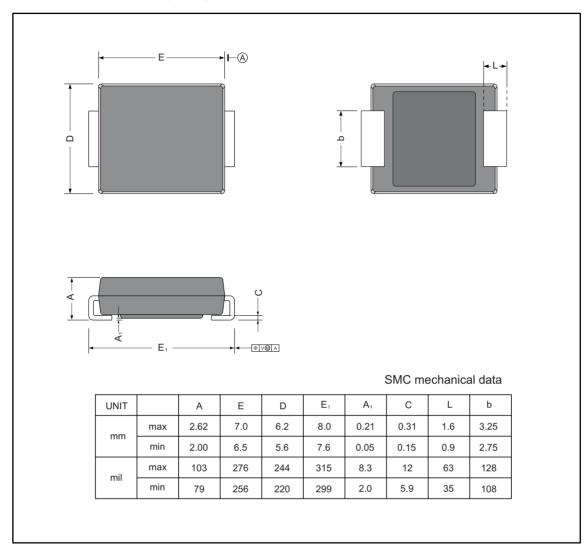
Туре	Marking	V _{RMW}		Breakdown Test Voltage Current		Reverse Leakage	Max. Clamp Voltage	Peak Pulse Current
			V _{BR} @ I _T		ı	I _R @ V _{RWM}	V _C @ I _{PP}	1
			Min	Max	'т	IR S V RWM	VC (L) IPP	Трр
UNI	UNI	v	V	V	mA	μA	V	A
1.1SMCJ300A	GJE	300	335	371	1	1	486	2.3
1.1SMCJ400A	GJK	400	447	494	1	1	648	1.7



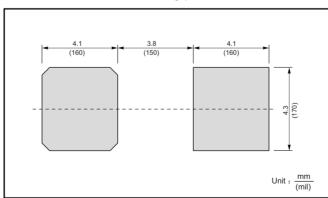
PACKAGE OUTLINE

Plastic surface mounted package; 2 leads

SMC



The recommended mounting pad size



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