Surface mount transient voltage suppressor power 170 watts

Stand-Off Voltage: 220 V

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

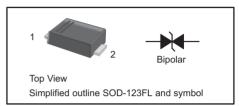
•Case: SOD-123FL

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

•Approx. Weight:15mg/0.00048oz

PINNING

PIN	DESCRIPTION				
1	Cathode				
2	Anode				



Maximum Ratings and Electrical characteristics

Ratings at 25 °C ambient temperature unless otherwise specified.

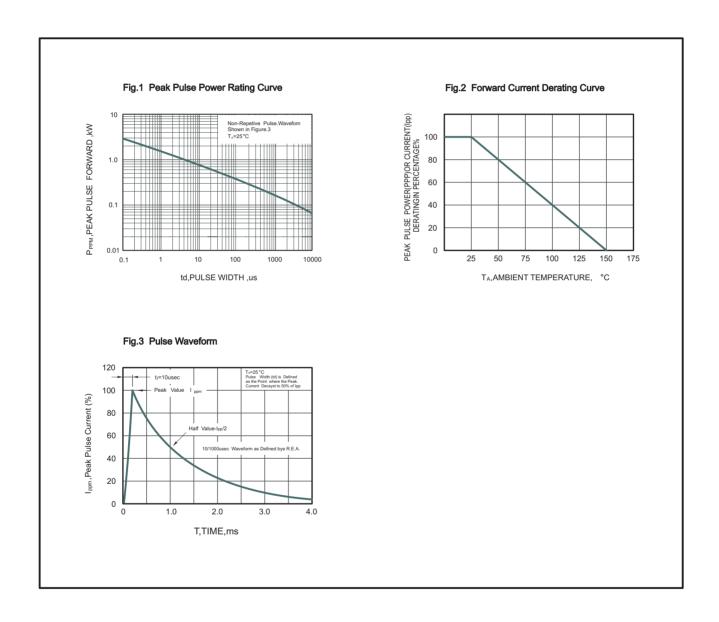
Parameter		Symbol	Value	Unit
Peak Pulse Power Dissipation on TA=25°C	P _{PPM}	170	W	
Peak Pulse Current on 10/1000 us wavefor	I _{PPM} see Table 1		А	
Steady State Power Dissipation (Note 3)	P _{M(AV)}	1	W	
ESD Voltage per IEC61000-4-2	Contact Air	V _{ESD1}	±8 ±15	kV
Operating Junction and Storage Range	T _{j,} T _{stg} -55 to +150		°C	

NOTES

- 1. Non-repetitive current pulse per Fig 3 and derated above $T_{\mbox{\tiny A}} = 25\,^{\circ}\mbox{C}$ per Fig 2
- 2. Mounted on 5mm² copper pads to each terminal
- 3. lead temperature at T_L=75°C
- 4. Peak pulse powe. waveform is tp=10/1000us

Characteristics at Ta = 25°C Table 1

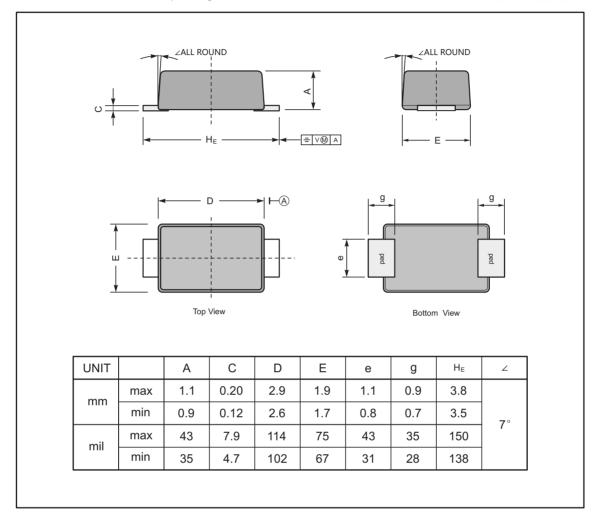
Туре	Marking	V _{RMW}	Breakdown Voltage		Test Current	Reverse Leakage	Max. Clamp Voltage	Peak Pulse Current
			V _{BR} @ I _T			I _R @ V _{RWM}	V _C @ I _{PP}	la-
			Min	Max	'T	- R S FRWM	*C @ 1pp	Ірр
ВІ	ВІ	V	v	V	mA	μA	٧	Α
SMF1.7J220CA	CE22	220	246	272	1	1	356	0.47



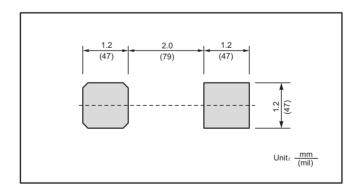
PACKAGE OUTLINE

Plastic surface mounted package; 2 leads

SOD-123FL



The recommended mounting pad size



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