



Transient Voltage Suppressors Rectifiers

Reverse Voltage: 3.3 V 200 Watt Peak Pulse Power

Feature

- Glass Passivated Chip
- 200W Peak Pulse Power Capability With a 10/1000us Waveform
- Repetitive Rate (duty cycle): 0.01%
- Excellent Clamping Capability
- Low Reverse Leakage
- Very Fast Response Time
- Lead And Body According With Rohs Standard

Mechanical Data

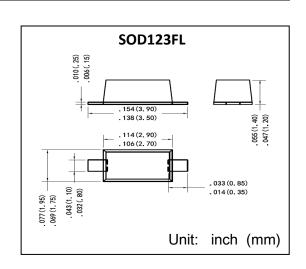
Case: SOD123FL Molded plastic

Lead: Solderable Per MIL-STD-750, Method 2026

Epoxy: UL 94V-0 Rate Flame Retardant

Polarity: Color Band Denotes Cathode End Except Bipolar

Mounting Position: Any



Absolute Maximum Ratings (T_A=25℃ unless otherwise noted)

Parameter	Symbol	Value	Unit	
Peak Power Dissipation With a 10/1000 us Waveform ¹⁾	P _{PP}	200	W	
Peak Pulse Current With a 10/1000 us Waveform ¹⁾	IPP	25	Α	
Power Dissipation on Infinite Heatsink at TL = 75 °C	P _D	1.0	W	
Peak Forward Surge Current, 8.3 ms Single Half Sinewave	I	20	۸	
UnidirectionalOnly ²⁾	IFSM	20	A	
Maximum Instantaneous Forward Voltage at 25A For	VF	3.5	V	
Unidirectional Only		5.5	V	
Junction Temperature	TJ	-55 ~ +150	$^{\circ}\!\mathbb{C}$	
Storage Temperature	T _{STG}	-55 ~ +150	$^{\circ}$	

Note:

2:Measured on 8.3 ms single half sine-wave or equivalent square wave, duty cycle = 4 pulses per minute maximum;

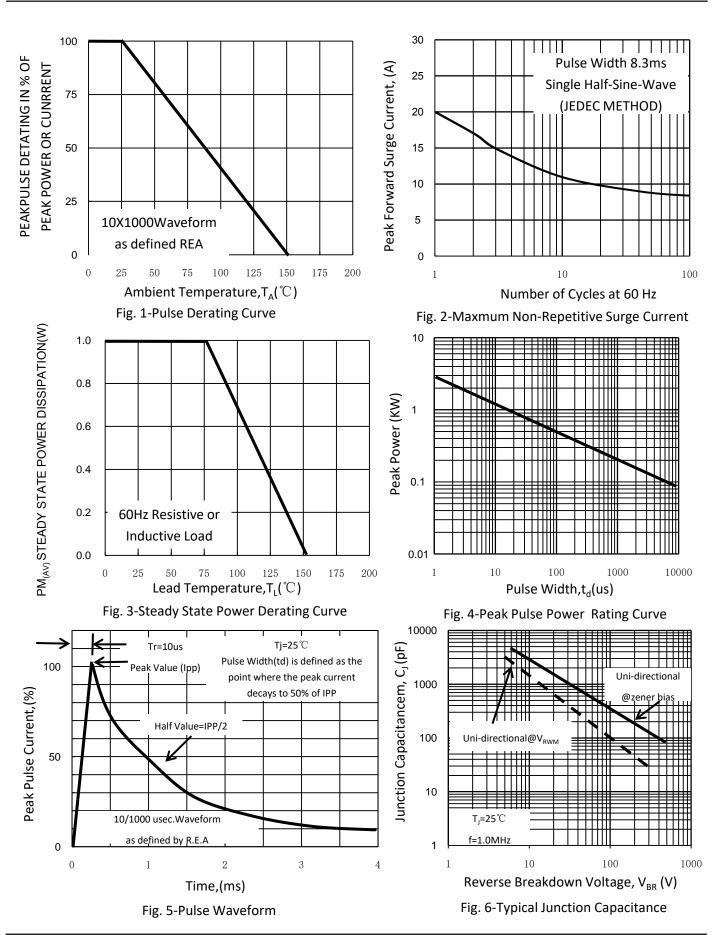
Electrical Characteristics (Ta=25℃ unless otherwise specified)

Part Number	Reverse Stand-off Voltage	Break Voltag (Volts)	e VBR	Test Current	Maximum Clamping Voltage	Maximum Peak Pulse Current	Maximum Reverse Leakage	Marking
UNI	V _R (V)	MIN	MAX	I⊤ (mA)	V _C @ I _{PP} (V)	IPP (A)	IR @ VR (µA)	UNI
SMF3.3A	3.3	5.2	6.2	10	8	25	800	HZ

^{1:}Non-repetitive current pulse per Fig.5 and derated above T_A= 25 °C per Fig.1;



Typical Characteristics





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- GreenPower Electronics reserves the right to improve product design function and reliability without notice.
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 property damage. Customer are solely responsible for providing adequate safe measures when design their systems.
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