

**Features**

- Low Clamping Voltage
- Small, High Thermal Efficiency
- Moisture Sensitivity Level 1
- Epoxy Meets UL 94 V-0 Flammability Rating
- Halogen Free. "Green" Device (Note 1)
- Lead Free Finish/RoHS Compliant (Note 2) ("P" Suffix Designates RoHS Compliant. See Ordering Information)

**Maximum Ratings**

- Operating Junction Temperature Range: -55°C to +155°C
- Storage Temperature Range: -55°C to +155°C

**Electrical Characteristics @ 25°C Unless Otherwise Specified**

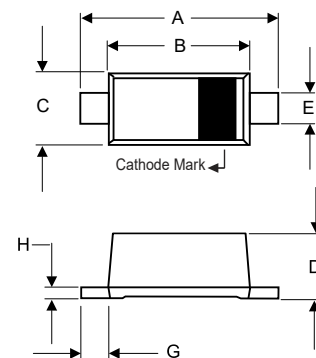
Peak Pulse Power Dissipation with a 10/1000µs Waveform	P <sub>PP</sub>	200W	-
ESD Voltage(HBM)	V <sub>ESD</sub>	>16KV	-

Note: 1. Halogen free "Green" products are defined as those which contain <900ppm bromine, <900ppm chlorine (<1500ppm total Br + Cl) and <1000ppm antimony compounds.

2. High Temperature Solder Exemption Applied, see EU Directive Annex 7a.

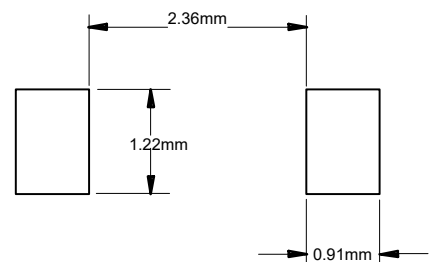
**200 Watt TVS**  
**350 VOLTS**

**SOD-123FL**



DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.130	0.152	3.30	3.85	
B	0.100	0.122	2.55	3.10	
C	0.055	0.075	1.40	1.90	
D	0.035	0.053	0.90	1.35	
E	0.020	0.041	0.50	1.05	
G	0.010	----	0.25	----	
H	----	0.010	----	0.25	

**SUGGESTED SOLDER PAD LAYOUT**



**Electrical Characteristics @ 25°C Unless Otherwise Specified**

MCC Part Number	Rated Standoff Voltage	Breakdown Voltage $V_{BR}(V)$		Test Current	Maximum Clamping Voltage @ $I_{PP}$	Maximum Peak Pulse Current	Maximum Reverse Leakage Current @ $V_{WM}$	Device Marking Code
		Min(V)	Max(V)					
Uni	$V_{WM}(V)$	Min(V)	Max(V)	$I_T(mA)$	$V_C(V)$	$I_{PP}(A)$	$I_D(\mu A)$	Uni
SMF350A	350	391	432	1.0	560	0.36	1.0	350

**Curve Characteristics**

Fig. 1 - Peak Pulse Power Rating Curve

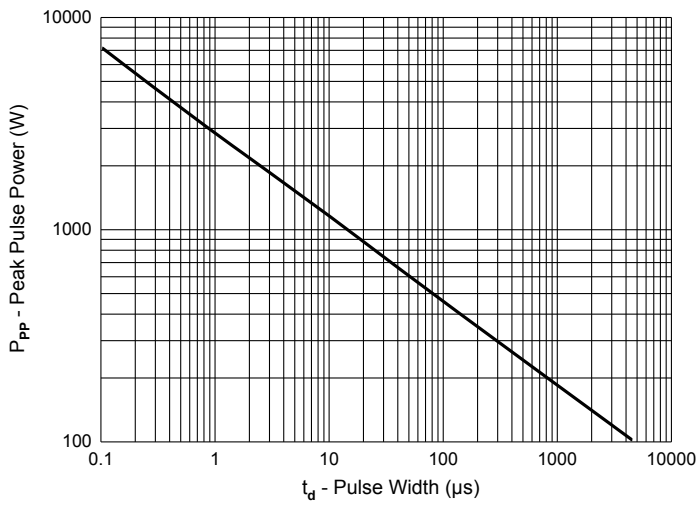


Fig. 2 - Pulse Waveform

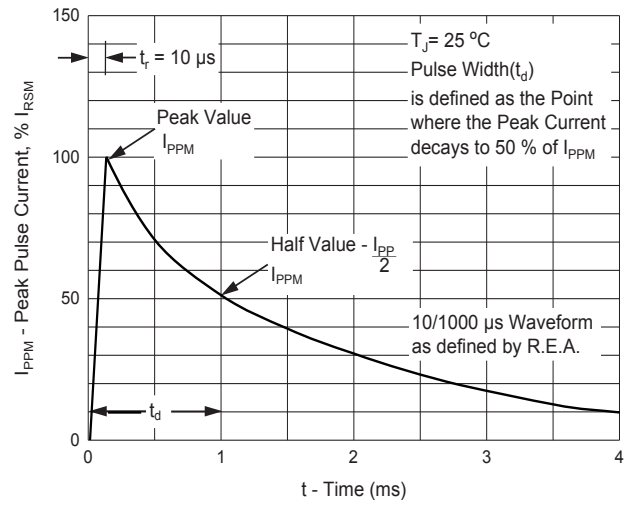


Fig. 3 - Pulse Derating Curve

