

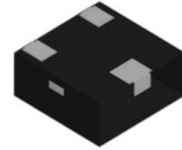
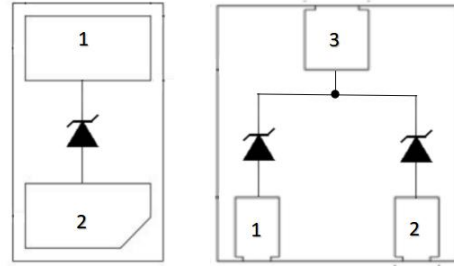
Surface Mount Transient Voltage Suppressors (TVS) SMF36A

Description

The SMF series is designed specifically to protect sensitive electronic equipment from voltage transients induced by lightning and other transient voltage events.

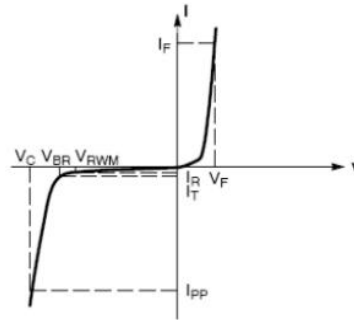
Applications

TVS devices are ideal for the protection of I/O interfaces, V_{CC} bus and other vulnerable circuits used in Telecom, Computer, Industrial and Consumer electronic applications.



Maximum Ratings ($T_A=25^\circ\text{C}$ unless otherwise noted)

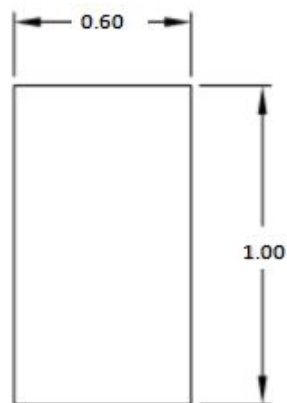
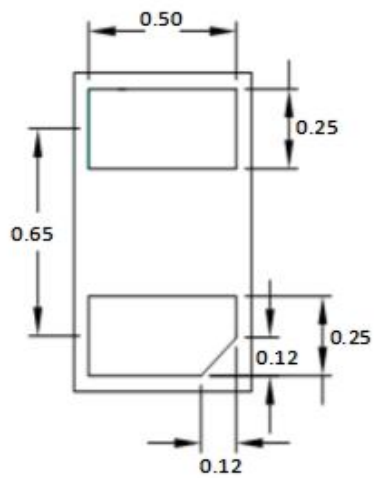
Symbol	Parameter
I_{PP}	Maximum Reverse Peak Pulse Current
V_C	Clamping Voltage @ I_{PP}
V_{RWM}	Working Peak Reverse Voltage
I_R	Maximum Reverse Leakage Current @ V_{RWM}
V_{BR}	Breakdown Voltage @ I_T
I_T	Test Current
P_{PK}	Peak Power Dissipation
C	Capacitance @ $V_R = 0$ and $f = 1.0$ MHz



Item	Symbol	Test Conditions	Criterion			Unit
			Min	Typ	Max	
最大峰值功率	P_{PK}	$I_{pp}=4A, t_p=8/20\mu s$			240	W
维持电压	V_{RWM}				36	V
击穿电压	V_{BR}	$I_t=1mA$	39.5		44.5	V
漏电流	I_R	$V_{RWM}=36V$			0.1	μA
钳位电压	V_C	$I_{pp}=1A, t_p=8/20\mu s$			55	V
钳位电压	V_C	$I_{pp}=4A, t_p=8/20\mu s$			60	V
电容	C_j	$V_R=0V, f=1Mz$			30	pF

Dimensions

DFNWB1.2-1.2-3L	1.2*1.2*0.50 (mm)	
DFN1.0-0.6-2L	1.0*0.6*0.50 (mm)	



Unit: mm

