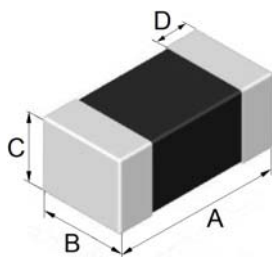


SMD Transient Voltage Suppressors

TVSM0805SSXO-Series

1. Dimension



Series	A(mm)	B(mm)	C(mm)	D(mm)
0805	2.00±0.20	1.25±0.15	1.20 max.	0.40±0.20

2. Part Numbering

TVSM 0805 SSX O 330 - 101 A □

A B C D E F G H

A: Series
 B: Dimension
 C: Category Code
 D: Product Grade
 E: Voltage Code
 F: Characteristic Code
 G: Characteristic Unit Code
 H: Inner Code

Multilayer Varistor
 Standard Surge Protection
 O =Industrial Grade
 330=Breakdown Voltage 33V
 101= Peak Current 100A
 A=Amp

3. Technology Data

TAI-TECH Part Number	Maximum allowable continuous AC voltage @ 50-60Hz (V)	Maximum allowable continuous DC voltage (V)	Varistor breakdown voltage (V)	Maximum allowable clamping voltage (V)	Maximum peak current (A)
TVSM0805SSX0330-101A	20	26	33(29.7~36.3)	54	100

Notes :

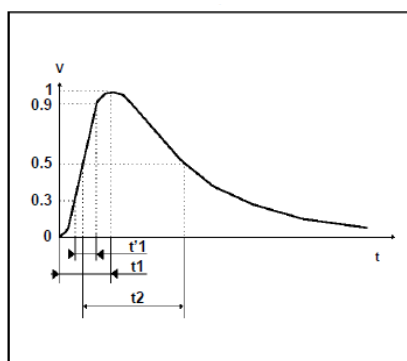
1. The varistor breakdown voltage was measured at 1mA.
2. The clamping voltage was measured at 8/20 μ s standard current, 0805(1A)
3. The peak current was tested at 8/20 μ s waveform.

3-1. Reference Data			
ITEM	Symbol	Unit	Value
Maximum energy absorption	E	J	0.3
Typical capacitance value measured at 1KHz	C	pF	220
Response time	Trise	ns	< 1
Leakage current at Vv x 80% (at initial state)	I _{VV}	μ A	< 50
Leakage current at Vv x 80% (after surge test)	I _{VVA}	μ A	< 200
Operation ambient temperature	T _{OPT}	°C	-50~+85
Storage temperature range	T _{STG}	°C	-50~+125
3-2. Other Data			
Body		ZnO	
End termination		Ag/Ni/Sn	
Packaging		Reel	
Complies with standard		IEC61000-4-5	
Complies with RoHs standard		Yes	
Lead content		< 1000 ppm	
Marking		None	

Notes :

1. The capacitance and energy values only for customer reference, it's not formal specification.

4. Surge Wave Form



IEC61000-4-5 Standards

SEVERITY LEVEL	t1 (=1.67t'1)	t2
1	8 μ s	20 μ s
2	10 μ s	1000 μ s

8/20 μ s waveform current