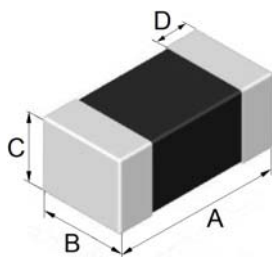


SMD Transient Voltage Suppressors

TVSM1206SSXO-Series

1. Dimension



Series	A(mm)	B(mm)	C(mm)	D(mm)
1206	3.20±0.20	1.60±0.15	1.50 max.	0.50±0.20

2. Part Numbering

TVSM 1206 SSX O 470 - 201 A □
 A B C D E F G H

A: Series	Multilayer Varistor
B: Dimension	
C: Category Code	Standard Surge Protection
D: Product Grade	O =Industrial Grade
E: Voltage Code	470=Breakdown Voltage 47V
F: Characteristic Code	201= Peak Current 200A
G: Characteristic Unit Code	A=Amp
H: Inner Code	

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)
TVSM1206SSXO470-201A	30	38	47(42.3~51.7)	77	200

Notes :

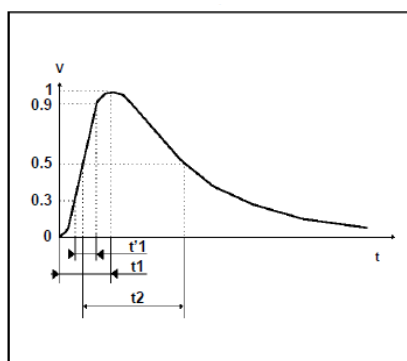
1. The varistor breakdown voltage was measured at 1mA.
2. The clamping voltage was measured at 8/20μs standard current, 1206(1A)
3. The peak current was tested at 8/20μs waveform.

3-1. Reference Data			
ITEM	Symbol	Unit	Value
Maximum energy absorption	E	J	1.1
Typical capacitance value measured at 1KHz	C	pF	440
Response time	Trise	ns	< 1
Leakage current at Vv x 80% (at initial state)	I _{VV}	μA	< 50
Leakage current at Vv x 80% (after surge test)	I _{VVA}	μA	< 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	8μs	20μs
2	10μs	1000μs

8/20μs waveform current