

VARISTORS

WICKMANN

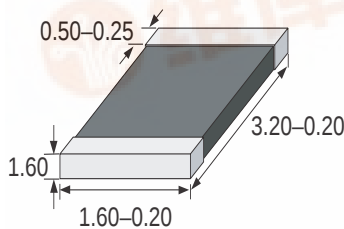


TVS 1206 SMD

This product is not recommended for new designs. Please refer to Littelfuse series MLA.



Dimensions (mm)



Multilayer Ceramic Transient Voltage Suppressor Low Capacity

Features

Thin layer, high precise techniques
Lead free
Bi-directional clamping
Standard and low capacity
Available with Nickel/Tin end termination

Applications

Circuit board and ESD, EFT
Protection of:
• I/O ports
• Keyboards
• LCD's
• Sensors

WebLinks

Further info see:
www.wickmanngroup.com

Further technical info see technical varistor file:
www.wickmanngroup.com/download/techvaristor.pdf

Specifications

Packaging

Tape and Reel
T 7 inch reel (3.000 pcs.)

Material

Body: Ceramic (ZnO)
Terminals: Ni/Sn plated (code "P")
Ag/Pt/Pd non plated (code "N" on request)

Operating Temperature

-55 to +125°C

Solderability

acc. to IEC 60068-2-58
235°C, 2s

Soldering Heat Resistance

260°C, 10 sec. (IEC 60068-2-58)
280°C, 5 sec. (IEC 60068-2-58)

Response Time

<0.5ns

Temperature coefficient (αV) of clamping voltage (V_c) @ specified test current

<0.01%/°C

Power dissipation

0.1W max.

Standards

IEC 61000-4-2
MIL-STD-883C

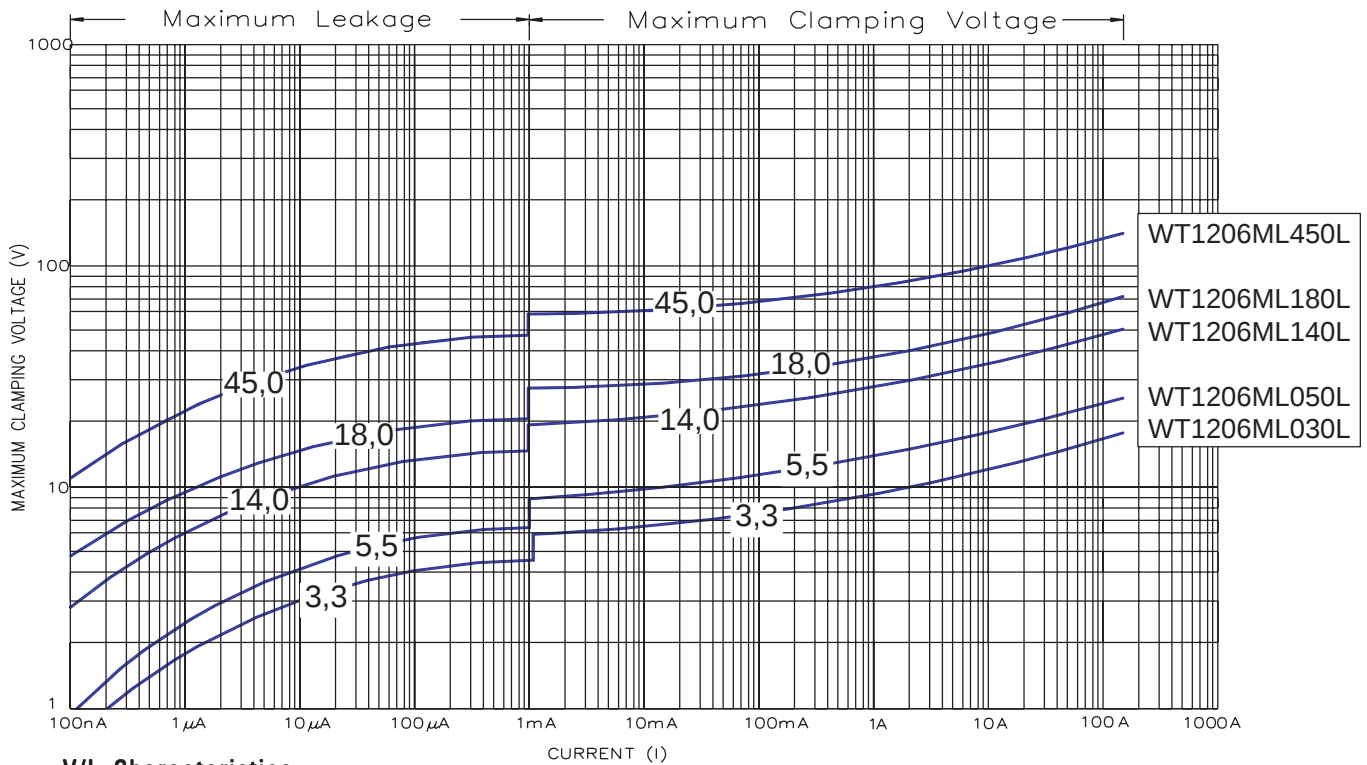
Maximum Ratings (125°C)						Specifications (25°C)				
Type	max. cont. working voltage		max. non-repetitive surge current (8/20 μ s)	max. non-repetitive surge energy (10/1000 μ s)	max. clamping voltage at spec. current (8/20 μ s)	nominal voltage at 1mA (DC) test current		typ. capacitance		typ. inductance
	$V_{M(DC)}$ (V)	$V_{M(AC)}$ (V)	I_{TM} (A)	W_{TM} (J)	V_c (V@A)	$V_{N(DC)min.}$ (V)	$V_{N(DC)max.}$ (V)	1KHz $C_{typ.}$ (pF)	1MHz $C_{typ.}$ (pF)	$L_{typ.}$ (nH)
WT1206ML030L	3,3	2,5	40	0,10	10,0 @ 2	3,8	7,0	4330	3600	1,8
WT1206ML050L	5,5	4,0	40	0,10	15,5 @ 2	7,1	9,8	3450	2900	1,8
WT1206ML140L	14,0	11,0	40	0,10	30,0 @ 2	16,0	21,0	890	750	1,8
WT1206ML180L	18,0	14,0	40	0,10	40,0 @ 2	22,0	28,0	760	640	1,8
WT1206ML450L	45,0	35,0	40	0,10	100,0 @ 10	50,0	61,0	225	190	1,8



Qty.	Order-Number	Type	Terminal Code	Packaging
		WT1206ML140	L	P
				T

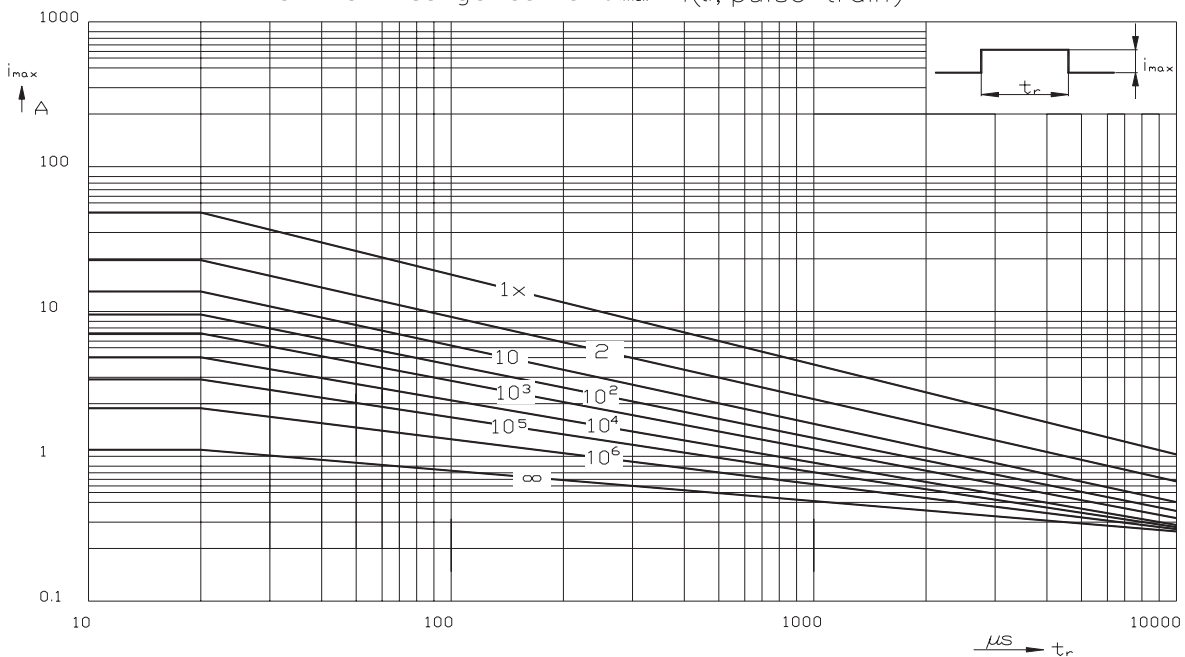
Specifications are subject to change without notice

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V/I Characteristics

Maximum surge current $i_{max} = f(t_r, \text{pulse train})$



Maximum Surge Current: WT1206ML030L - WT1206ML180L

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