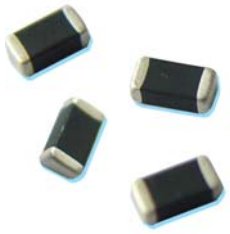
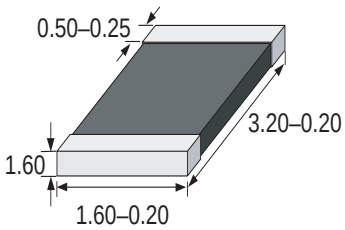
TVS 1206 SMD

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



Dimensions (mm)



Multilayer Ceramic Transient Voltage Suppressor

Standard 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 infos see:
www.wickmanngroup.com

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

Specifications

Packaging
Tape and Reel
T 7 inch reel (3.000 pcs.)
Q 13 inch reel (10.000 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 (Vc) @ 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 µs)	max. non-repetitive surge energy (10/1000 µs)	max. clamping voltage at spec. current (8/20 µs)	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)
WT1206ML030A	3,3	2,5	150	0,40	14,0 @ 10	3,8	7,0	7900	7100	1,8
WT1206ML050A	5,5	4,0	150	0,40	15,5 @ 10	7,1	9,8	9200	8000	1,8
WT1206ML090A	9,0	6,0	150	0,40	20,0 @ 10	10,0	14,5	3450	3000	1,8
WT1206ML120A	12,0	9,0	150	0,50	25,0 @ 10	14,0	18,5	2200	1900	1,8
WT1206ML140A	14,0	11,0	150	0,40	30,0 @ 10	16,0	21,0	1200	1000	1,8
WT1206ML180A	18,0	14,0	150	0,40	40,0 @ 10	22,0	28,0	1070	920	1,8
WT1206ML220A	22,0	17,0	150	0,60	44,0 @ 10	24,3	30,0	870	750	1,8
WT1206ML260A	26,0	20,0	120	0,40	58,0 @ 10	29,5	38,0	800	680	1,8
WT1206ML300A	30,0	25,0	120	0,40	65,0 @ 10	35,0	43,0	560	500	1,8
WT1206ML380A	38,0	30,0	180	1,00	77,0 @ 10	42,3	51,7	460	400	1,8
WT1206ML450A	45,0	35,0	120	0,60	86,0 @ 10	50,0	61,0	430	350	1,8
WT1206ML560A	56,0	40,0	180	1,00	110,0 @ 10	61,2	74,0	315	280	1,8
WT1206ML680A	68,0	50,0	180	1,00	135,0 @ 10	74,0	90,0	270	250	1,8

Order Information

Qty.	Order-Number	Type		Terminal Code	Packaging
		WT1206ML560	*A*	*P*	*T*

Specifications are subject to change without notice

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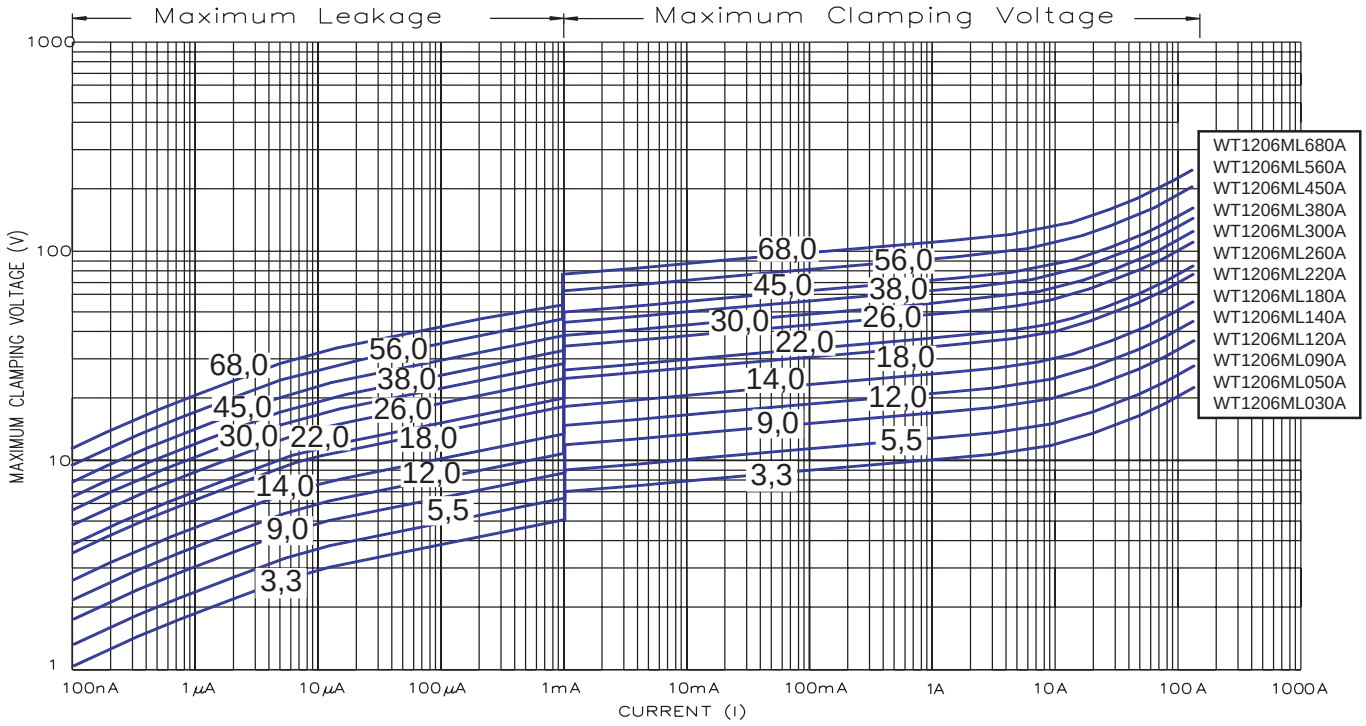
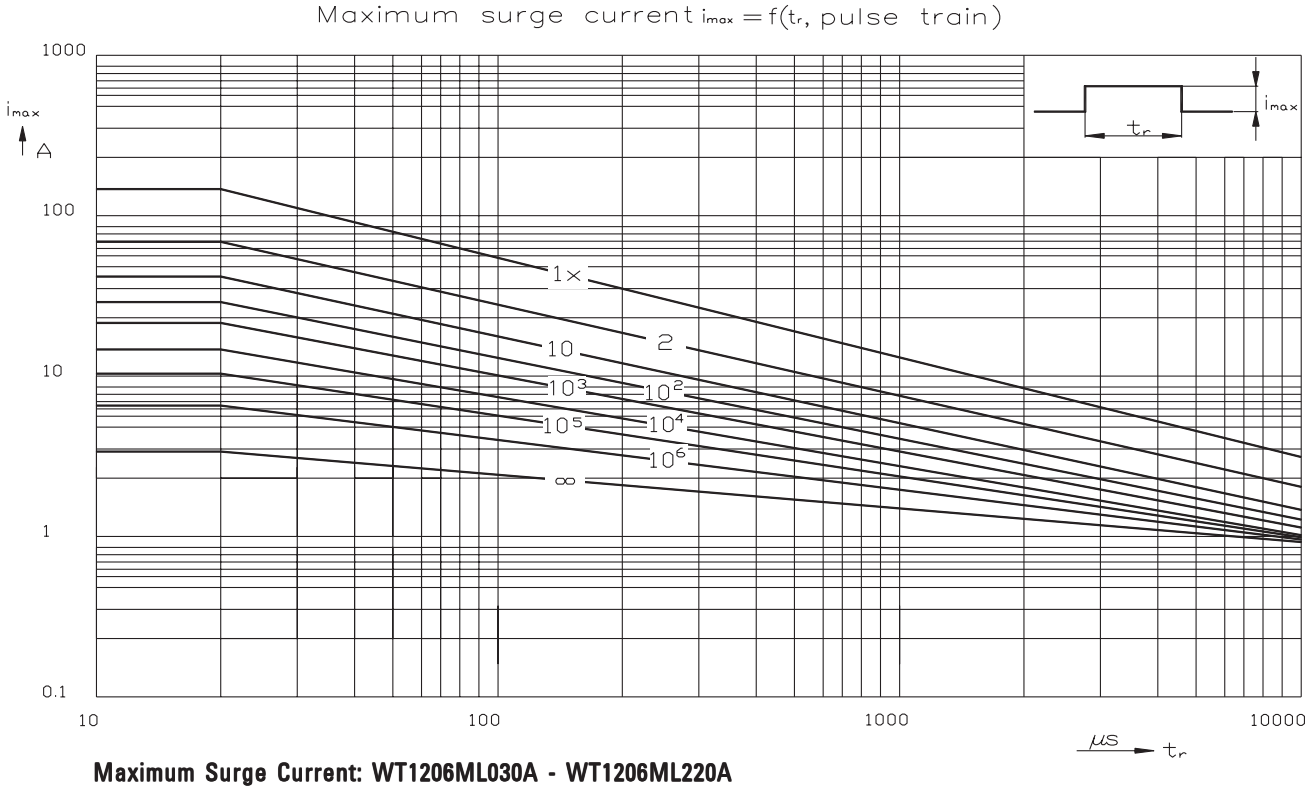
TVS 1206 SMD



V/I Characteristics



Maximum Surge Current: WT1206ML030A - WT1206ML220A

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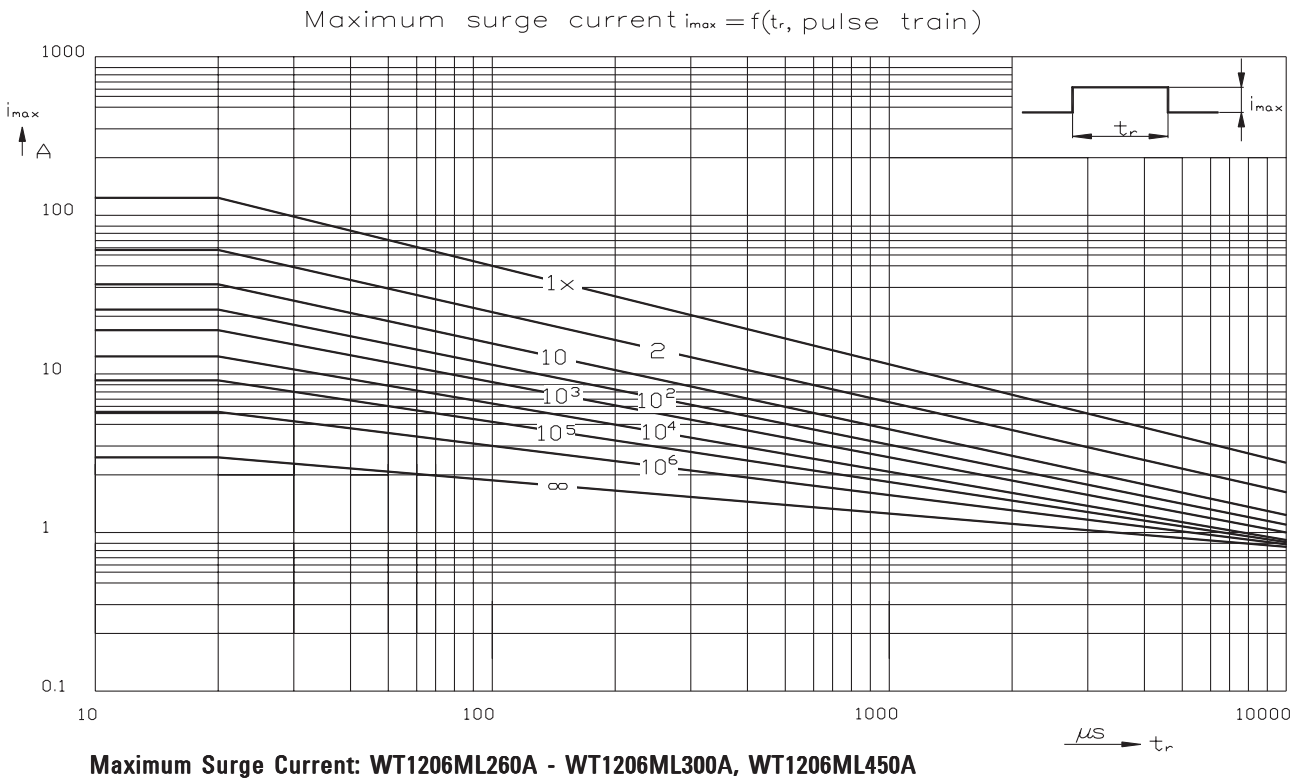
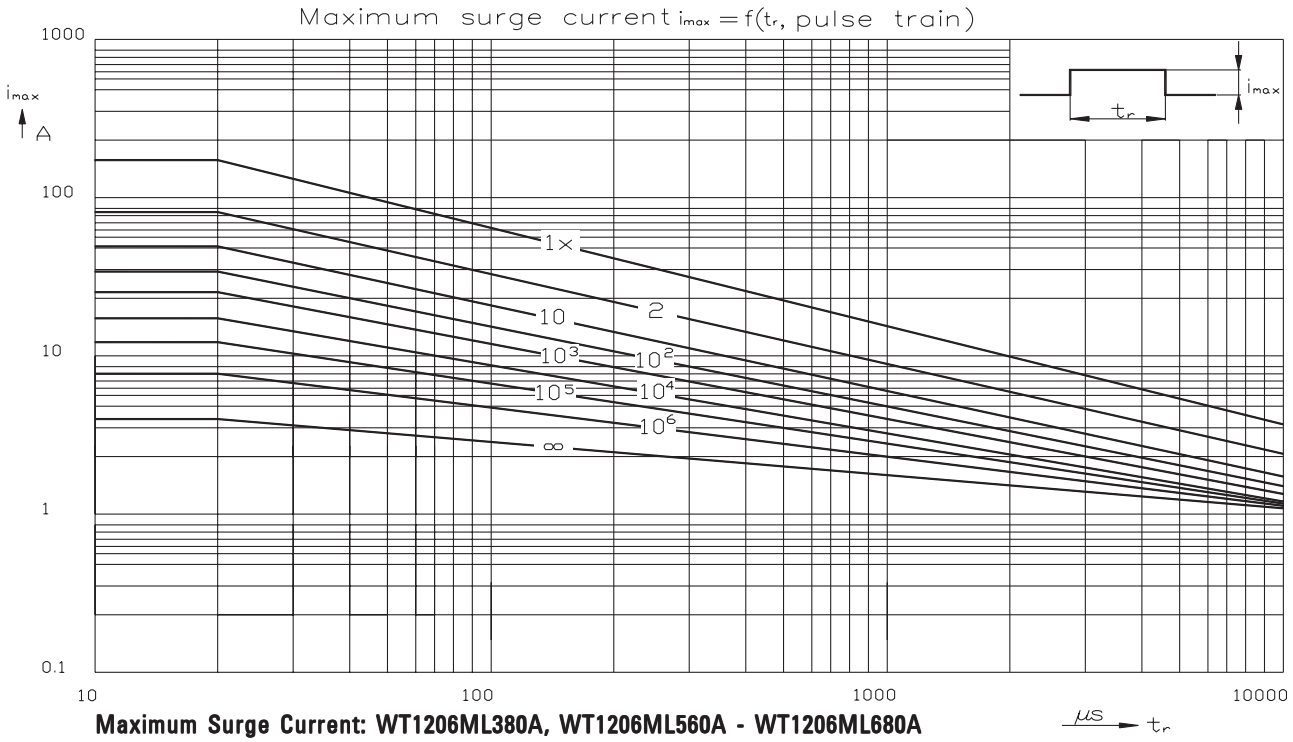
TVS 1206 SMD



Maximum Surge Current: WT1206ML260A - WT1206ML300A, WT1206ML450A



Maximum Surge Current: WT1206ML380A, WT1206ML560A - WT1206ML680A

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