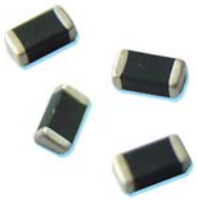
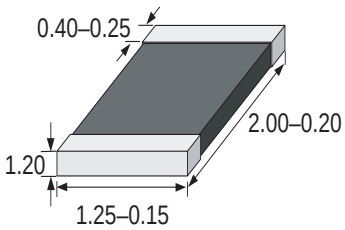
TVS 0805 SMD

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 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.)

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)
WT0805ML030L	3,3	2,5	40	0,10	10,0 @ 2	3,8	7,0	2.080	1.900	1,5
WT0805ML050L	5,5	4,0	40	0,10	15,5 @ 2	7,1	9,8	790	720	1,5
WT0805ML090L	9,0	6,0	40	0,10	20,0 @ 2	10,0	14,5	650	550	1,5
WT0805ML120L	12,0	9,0	40	0,10	25,0 @ 2	14,0	18,5	560	480	1,5
WT0805ML140L	14,0	11,0	40	0,10	30,0 @ 2	16,0	21,0	445	380	1,5
WT0805ML180L	18,0	14,0	40	0,10	40,0 @ 2	22,0	28,0	330	290	1,5
WT0805ML220L	22,0	17,0	40	0,10	44,0 @ 2	24,3	30,0	320	280	1,5
WT0805ML260L	26,0	20,0	40	0,10	58,0 @ 2	29,5	38,0	330	285	1,5
WT0805ML300L	30,0	25,0	40	0,10	65,0 @ 2	35,0	43,0	220	190	1,5

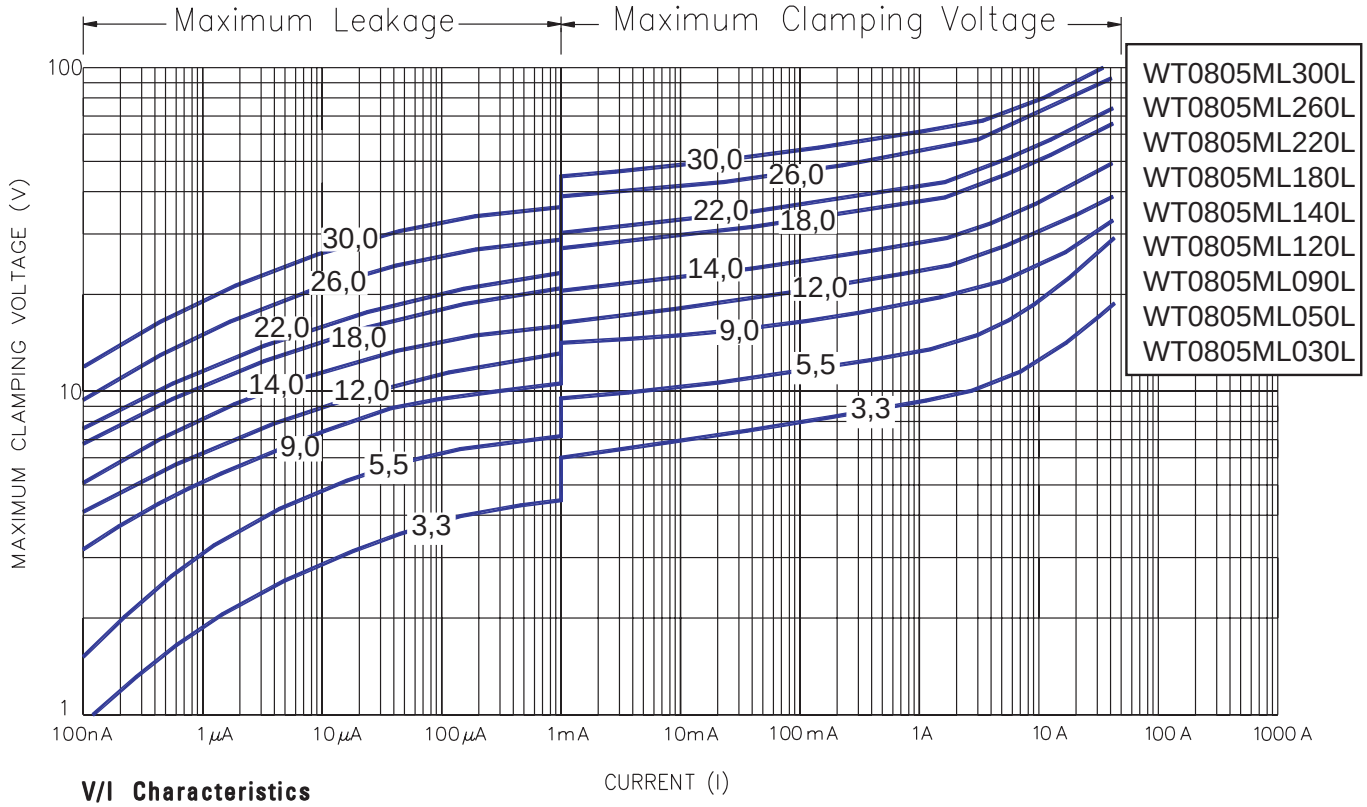
Order Information

Qty.	Order-Number	Type		Terminal Code	Packaging
		WT0805ML140	*L*	*P*	*T*

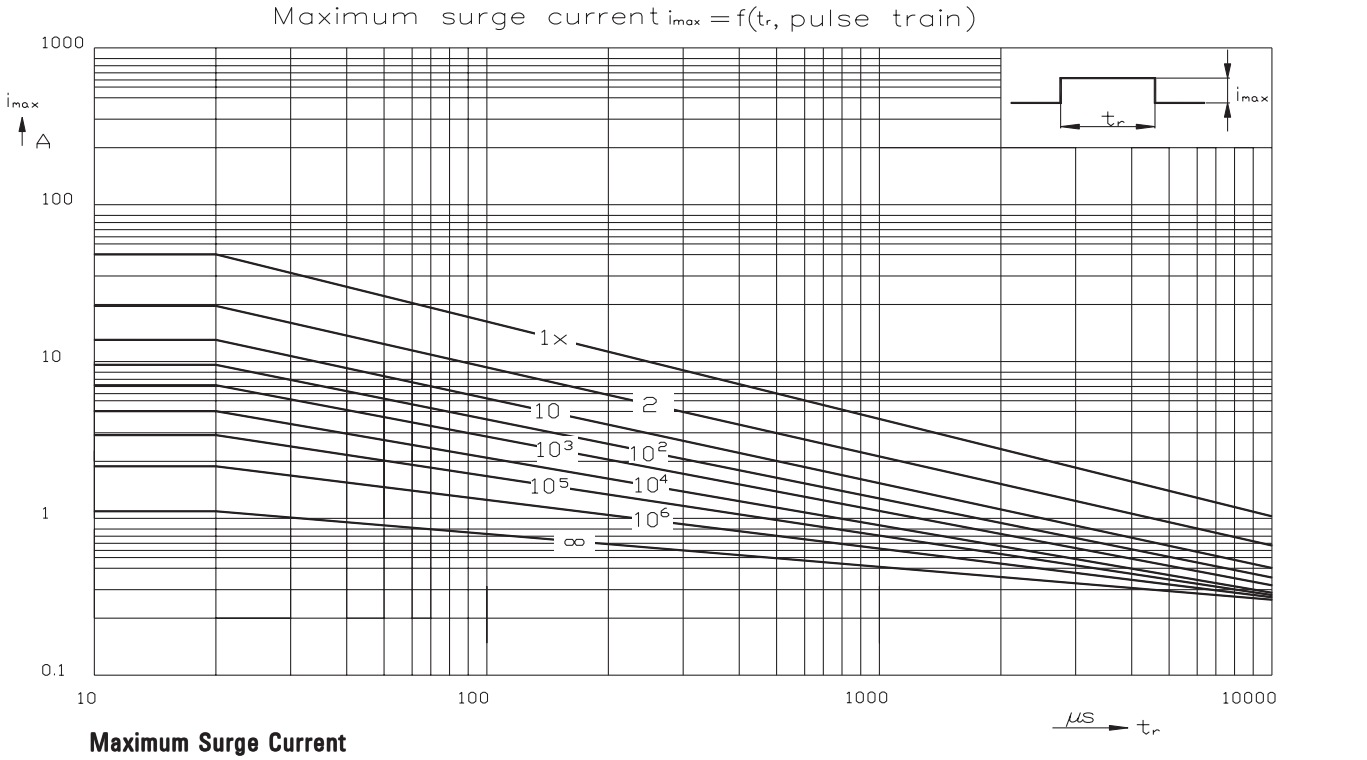
Specifications are subject to change without notice

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TVS 0805 SMD



V/I Characteristics



Maximum Surge Current

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China Tel: +86 21 6432 5146 E-mail: sales@wickmann.cn