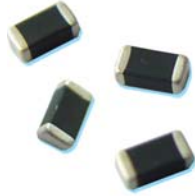
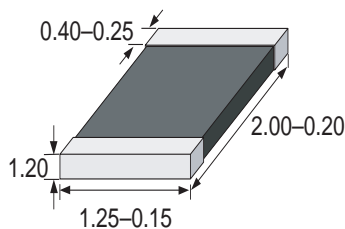


TVS 0805 SMD

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 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 (α_V) 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)				$V_{N(DC)min.}$ (V)	$V_{N(DC)max.}$ (V)	1KHz $C_{typ.}$ (pF)	1MHz $C_{typ.}$ (pF)	
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

WebSite

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