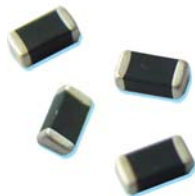
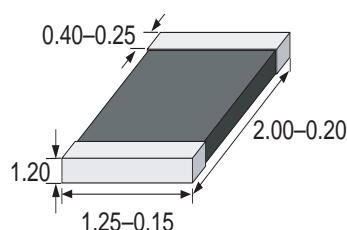


TVS 0805 SMD

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 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)				$V_{N(DC)min.}$ (V)	$V_{N(DC)max.}$ (V)	1KHz $C_{typ.}$ (pF)	1MHz $C_{typ.}$ (pF)	
WT0805ML030A	3,3	2,5	120	0,30	10,0 @ 5	3,8	7,0	4200	4000	1,5
WT0805ML050A	5,5	4,0	120	0,30	15,5 @ 5	7,1	9,8	1950	1700	1,5
WT0805ML090A	9,0	6,0	120	0,30	20,0 @ 5	10,0	14,5	1580	1340	1,5
WT0805ML120A	12,0	9,0	120	0,30	25,0 @ 5	14,0	18,5	1110	950	1,5
WT0805ML140A	14,0	11,0	120	0,30	30,0 @ 5	16,0	21,0	1230	1050	1,5
WT0805ML180A	18,0	14,0	120	0,30	40,0 @ 5	22,0	28,0	760	690	1,5
WT0805ML220A	22,0	17,0	120	0,30	44,0 @ 5	24,3	30,0	735	620	1,5
WT0805ML260A	26,0	20,0	120	0,30	58,0 @ 5	29,5	38,0	460	420	1,5

Order Information

Qty.	Order-Number	Type	Terminal Code	Packaging
		WT0805ML180	A	P
				T

Specifications are subject to change without notice

WebSite

050915 www.wickmanngroup.com E-mail: sales@wickmann.com

Europe Tel: +49 2302 662-107

Americas Tel: +1 404 699-7820

E-mail: service@wickmannusa.com

Asia Tel: +852 26 14-1108

E-mail: sales@wickmann.com.hk

China Tel: +86 21 6432 5146

E-mail: sales@wickmann.com

TVS 0805 SMD

