

VARISTORS

查询JV0603ML030A供应商

捷多邦, 专业PCB打样工厂, 24小时加急出货



DB LECTRO
COMPOSITE ELECTRONICS
ELECTRONIC COMPONENTS

TVS 0603 SMD

Multilayer Ceramic Transient Voltage Suppressor
Standard Capacity

Specifications



Packaging
Tape and Reel
T 7 inch reel (4,000 pcs.)
Material
Body: Ceramic (ZnO)
Terminals: Ni/Sn plated (code "P")
Ag/Pt/Pd non plated (code "N" on request)

Features

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

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)

Applications

Circuit board and ESD, EFT

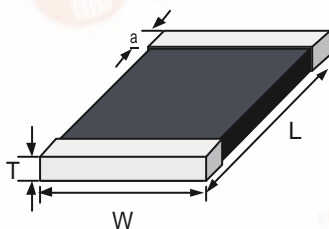
Response Time
<0.5ns

Temperature coefficient (αV) of clamping voltage (V_c) @ specified test current
<0.01%/°C

Power dissipation
0.05W max.

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

Dimensions



| SYMBOL | INCHES | | MILLIMETERS | |
|--------|--------|-------|-------------|------|
| | MIN | MAX | MIN | MAX |
| T | - | 0.035 | - | 0.90 |
| a | 0.008 | 0.020 | 0.20 | 0.50 |
| L | 0.057 | 0.069 | 1.45 | 1.75 |
| W | 0.026 | 0.037 | 0.65 | 0.95 |

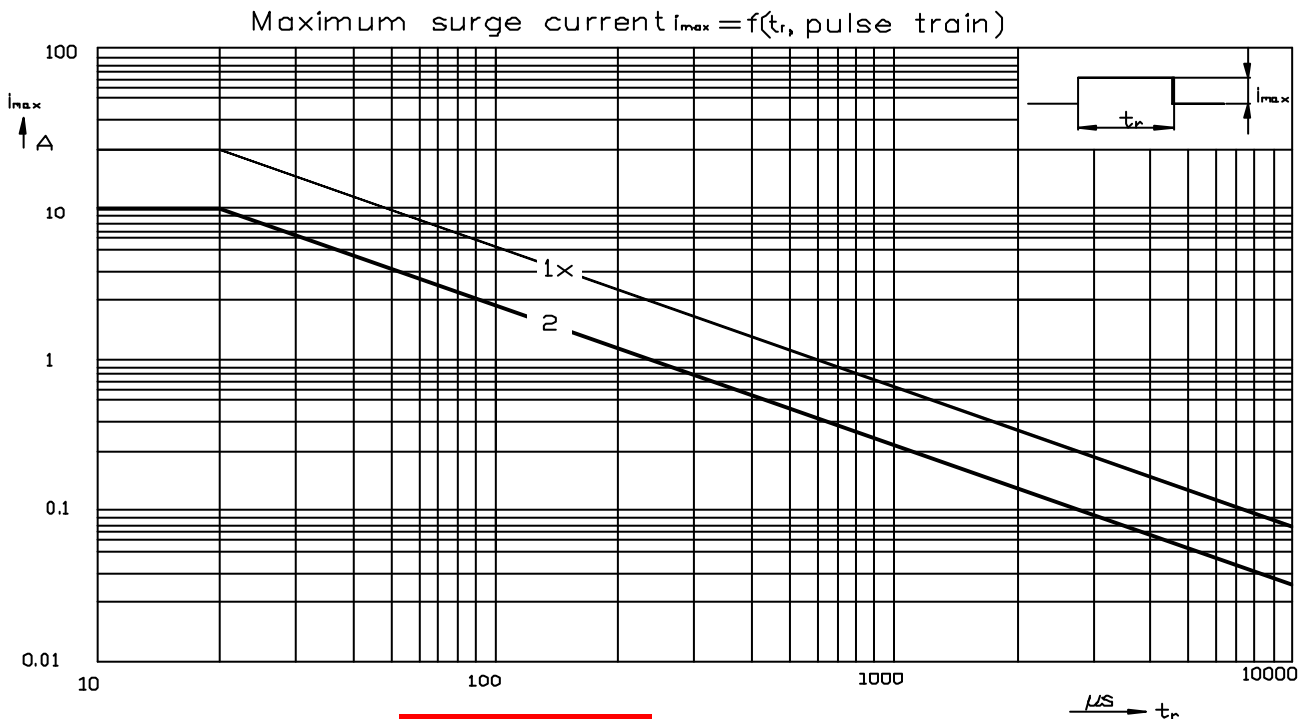
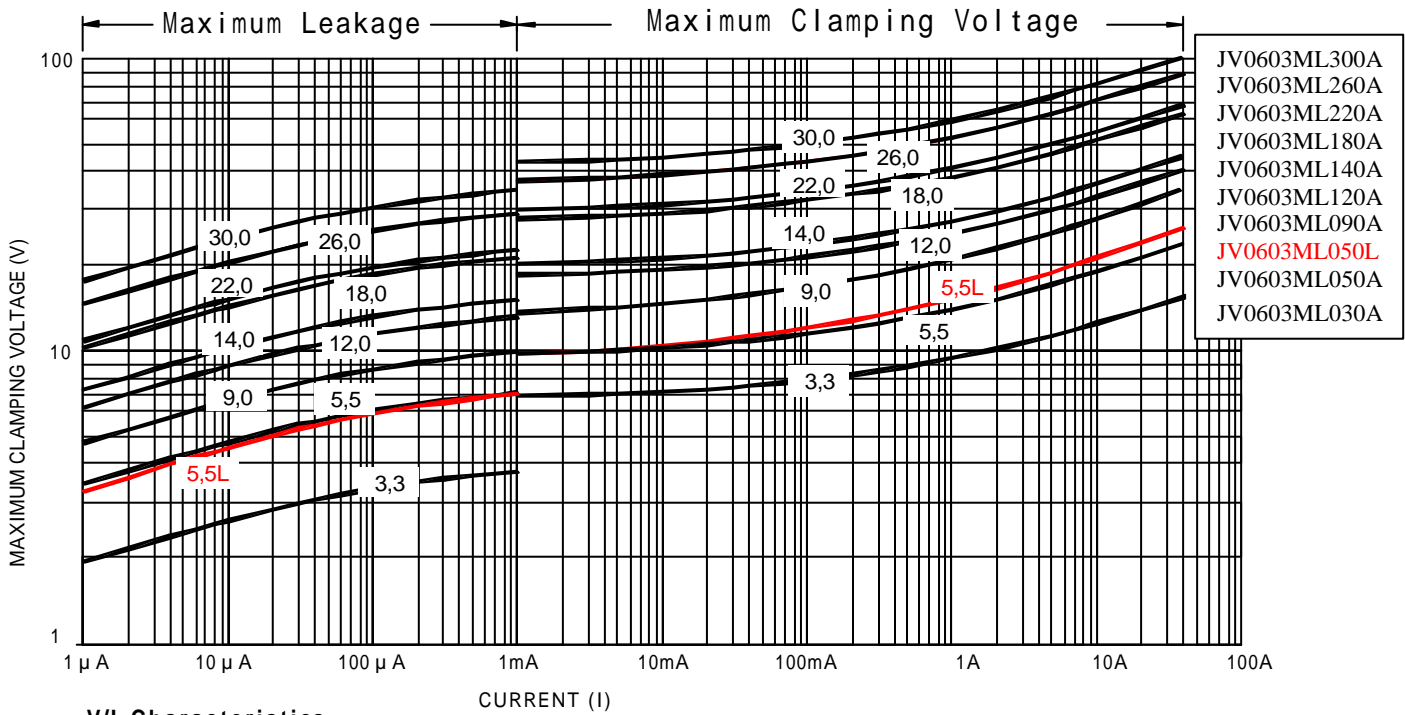
| Type | Maximum Ratings (125°C) | | | | Specifications (25°C) | | | | | | |
|---------------|----------------------------|-----------------|--|--|---|--|--|---------------------|-------------------------|-------------------------|-----------------|
| | max. cont. working voltage | | max. non-repetitive 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) |
| JV 0603ML050L | 5,5 | 4,0 | 20 | 0,05 | 15,5 @ 1 | | 7,1 | 9,8 | 420 | 360 | 1,0 |
| JV 0603ML030A | 3,3 | 2,5 | 30 | 0,10 | 10,0 @ 2 | | 3,8 | 7,0 | 1260 | 1080 | 1,0 |
| JV 0603ML050A | 5,5 | 4,0 | 30 | 0,10 | 15,5 @ 2 | | 7,1 | 9,8 | 750 | 640 | 1,0 |
| JV 0603ML090A | 9,0 | 6,0 | 30 | 0,10 | 23,0 @ 2 | | 10,0 | 14,5 | 340 | 300 | 1,0 |
| JV 0603ML120A | 12,0 | 9,0 | 30 | 0,10 | 27,0 @ 2 | | 14,0 | 18,5 | 415 | 340 | 1,0 |
| JV 0603ML140A | 14,0 | 11,0 | 30 | 0,10 | 30,0 @ 2 | | 16,0 | 21,0 | 280 | 240 | 1,0 |
| JV 0603ML180A | 18,0 | 14,0 | 30 | 0,10 | 40,0 @ 2 | | 22,0 | 28,0 | 250 | 220 | 1,0 |
| JV 0603ML220A | 22,0 | 17,0 | 30 | 0,10 | 44,0 @ 2 | | 24,3 | 30,0 | 310 | 270 | 1,0 |
| JV 0603ML260A | 26,0 | 20,0 | 30 | 0,10 | 58,0 @ 2 | | 29,5 | 38,0 | 140 | 130 | 1,0 |
| JV 0603ML300A | 30,0 | 25,0 | 30 | 0,10 | 65,0 @ 2 | | 35,0 | 43,0 | 120 | 110 | 1,0 |



| Qty. | Order-Number | Type | Terminal Code | Packaging |
|------|--------------|--------------|---------------|-----------|
| | | JV 0603ML140 | A | P |
| | | | | T |

Specifications are subject to change without notice

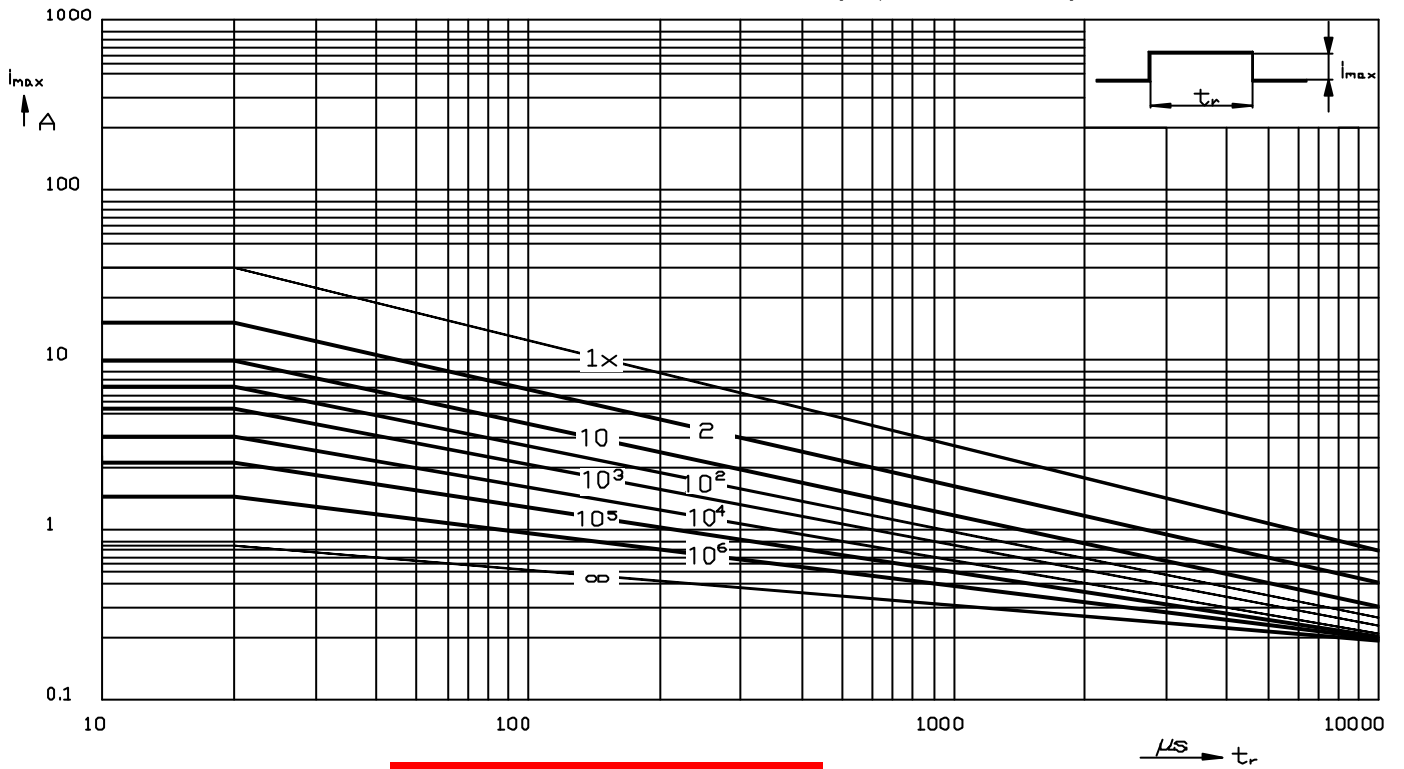
TVS 0603 SMD



Maximum Surge Current: **JV0603MT.050L**

TVS 0603 SMD

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



Maximum Surge Current: **.1V0603MT.030A-.1V0603MT.300A**