



SMD Transient Voltage Suppressors

The Introduction of Multilayer Surface Varistor

VT Series include two types of TVS, illustrate as below:

MLA Type: High energy and surge and specially specification, multilayer SMD formation Transient Voltage Suppressors (TVS).

MLC Type: Wide range applications, multilayer SMD formation Transient Voltage Suppressors (TVS).

CH Type: High voltage suppressor, the working voltage could be up to 385Vdc

Characteristics	ML Series
Surge current (8/20μs) up to	1200A
Energy absorption up to	12.0J
Average power dissipation up to	0.04W
Response time	<0.5ns
Storage temperature	(0402...0603) -55°C ~+125°C (0805...2220) -55°C ~+150°C
Operating temperature (full load)	(0402...0603) -55°C ~+85°C (0805...2220) -55°C ~+125
Max. relative humidity (Without condensation)	<75% annual average, <95% on max. 30 days per annu.

GENERAL FEATURE:

Chip size: from 0402 to 2220

Working Voltage rating is from 2.5 to 70 V_{RMS}; 3.3 to 90 Vdc

Leadless SMD formation surface mount design

Surge current up to 1200A

Bidirectional clamping, high energy rating up 12.0 Joules

Low inductance, fast response

Suitable for ESD Protection

Excellent temperature coefficient

Very low leakage current

Good solderability

Available in tape and reel for use with automatic pick & place equipment

Compatible with most surface-mounting assembly equipment and mounting techniques