



SMD Transient Voltage Suppressors

ML Series

ML-Series include two types of TVS, illustrated as below:

- ◎ **ML-A Series:** High energy and surge absorption, multilayer SMD formation Transient Voltage Suppressors (TVS).
- ◎ **ML-C Series:** Wide range applications, multilayer SMD formation Transient Voltage Suppressors (TVS).

Characteristics	ML Series
Surge current (8/20 μ s) 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 °C

FEATURES:

- ◎ Chip size: from 0402 to 2220
- ◎ Working Voltage rating is from 2.5 to 70 V_{RMS}; 3.3 to 90Vdc
- ◎ 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