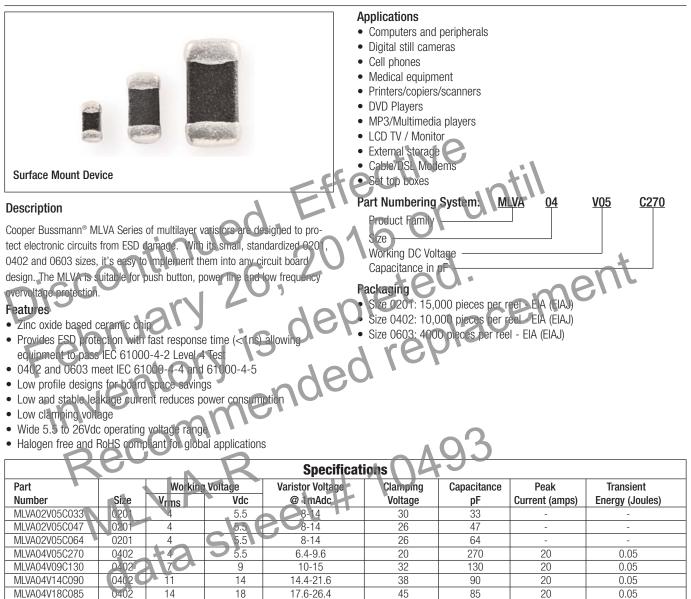


## Multilayer Varistor ESD Suppressor MLVA Series





Working Voltage V<sub>rms</sub> - Maximum AC operating voltage the varistor can maintain and not exceed 10µA leakage current for 0402, 0603.

5.5

9

14

18

26

Working Voltage Vdc - Maximum DC operating voltage the variator can maintain and not exceed 10µA leakage current for 0402, 0603.

Varistor Voltage - Voltage across the device measured at 1mA DC current. Equivalent to V<sub>B</sub>, "breakdown voltage."

Clamping Voltage - Maximum peak voltage across the varistor with 8/20µs waveform and 1A pulse current.

4

7

11

14

20

Capacitance - Device capacitance measured with zero volt bias 1V<sub>rms</sub> at 1MHz.

0603

0603

0603

0603

0603

Peak Current - Maximum peak current which may be applied with 8/20µs waveform without device failure.

Transient Energy - Maximum energy which may be dissipated with the  $10/1000 \mu s$  waveform without device failure.



0.1

0.1

0.1

0.1

0.1

MLVA06V05C270

MLVA06V09C210

MLVA06V14C150

MLVA06V18C130

MLVA06V26C100

6.4-9.6

10-15

14.4-21.6

17.6-26.4

24.8-37.2

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Data Sheet 4070
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22

27

35

40

58

270

210

150

130

100

30

30

30

30

30

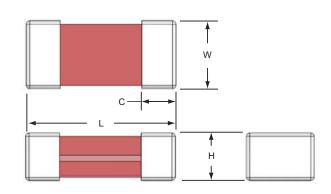


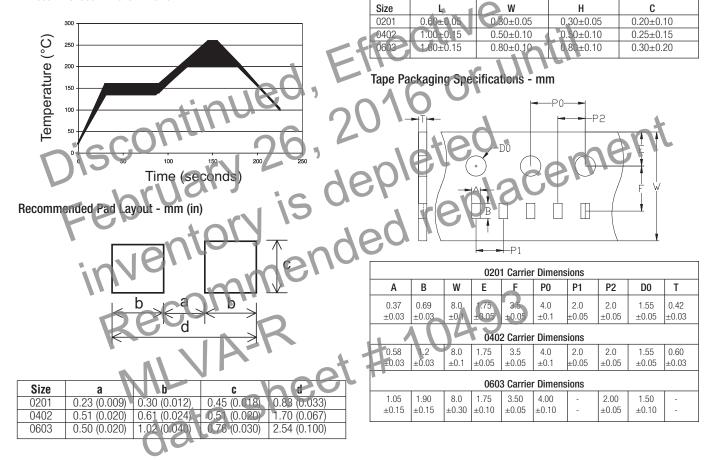
Environmental Specifications	
Characteristic	Value
Bias Humidity:	+40°C, 90% RH for 1000 hours
Thermal Shock:	-40°C to +85°C, 30 minute cycle, 5 cycles
Operating Temperature Range:	-40°C to +85°C
Storage Temperature Range:	-40°C to +85°C
Full Load Voltage:	Working Voltage, 85°C, 1000 hours

## **Soldering Recommendations**

- · Compatible with lead and lead-free solder reflow processes
- Peak reflow temperatures and durations:
  IR Reflow = 260°C max for 30 sec. max.
  - Wave Solder =  $260^{\circ}$ C max. for 10 sec. max.
- Recommended IR Reflow Profile:

Dimensions - mm





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