

M-Ti SLT CAT5 POE

Ethernet Surge Protection Device



The SLT Series CAT5 POE utilizes **State-of-the-Art Avalanche Diode Technology** to provide fast clamping and high energy handling capability.

Unit provides protection against Transient Voltages that exceed the nominal operating voltage of incoming data. Each line is protected against surge impulses up to 200A.

The SLT device works in series with the communication lines being protected; diverting harmful transient energies, while maintaining a tight clamp at the peak voltage. Units are designed to operate in a wide temperature range and are configured for 10/100 Ethernet data or similar protocol.

- Protects POE data lines with $\leq 100\text{Mbps}$ & $\leq 100\text{MHz}$
- Solid state fail-safe design
- Low shunt capacitance to reduce signal loss
- RJ45 (female to female) Connection Method
- Performance tested to verify compliance

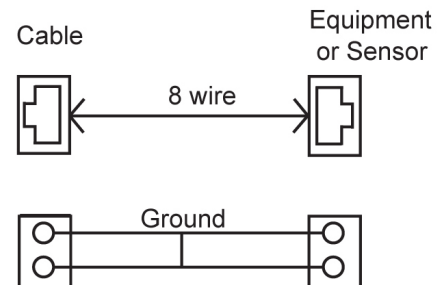
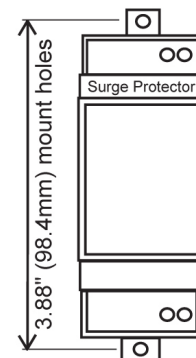
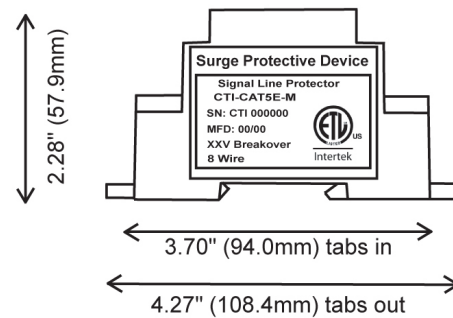
Product Specifications

Maximum Peak Surge Current	200 Amps
Peak Pulse Power	1500 Watts Min.
Maximum Clamping Voltage at Ipp of 105 Amps	92 Volts
Line - Load Sensitive	No
Response Time	<1 Nanosecond
Breakover Voltage (Line - Ground)	68 Volts
Maximum Nominal OP Frequency	100MHz
Operating Frequency with Attenuation <3db	0 - 537MHz
Data Transfer Rate	10/100Mbps
Capacitance L - G	0.41nF
Number of Protected Lines	8
Series Resistance	< 1 Ohm
Power Over Ethernet (POE) IEEE Std. 802.3 at 2009	Yes - 57 Volts
Operating Temperature	-34°C to +74°C (-30°F to +165°F)
Relative Humidity	95% noncondensing
Weight	60 grams (2.1 ounces)
Connector Type	8P8C (RJ45)
Mounting	35mm DIN or panel mount via 2 integrated tabs that accept up to #6 sized screws
Enclosure	Polycarbonate UL94 V-0

NOTE: Installation is accomplished by simply inserting the Protector in series with the communication cable(s) and connecting the grounds as required.

Dimensions

(Diagrams not drawn to scale)



All product dimensions provided are ± 0.125