Transient Voltage Surge Suppressors By:

CODE: IN-1010368

ST-RJ45-CAT6 Data Line Models

Network Data Circuit protection device with Discrete All-Mode Protection

"Power Quality is our Only Business"

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The SineTamer® series ST-RJ45-CAT6 devices are designed to protect data transmission circuits. These devices are intended for installation near the equipment to be protected and mounted as close to the electrical power source of the equipment as possible so as to allow for a common grounding point for grounding.

This device is available for eight wire – 1000mbps - data line connections accomplished by using the RJ45 connectors provided, making your installation a breeze. A ground wire is provided on the face of the unit to insure a low impedance ground discharge path.

GENERAL

Description:	Series wired transient voltage surge suppressor with **avalanche diode** circuitry for protection of data circuits.
Application:	Designed for use data, signal and current loop circuits to protect data transmission system equipment from damaging transients generated between terminals and equipment in the data collection/transmission system. Ethernet 1000Base T
Testing/Safety Standards:	Applicable IEC, VDE, CE standards
Warranty:	**5 Years Unlimited Free Replacement**

MECHANICAL

Enclosure:	Plastic, UL 94V
Mounting:	Velcro
Connection Method:	RJ45 modular connectors with all 8 pins protected with a data rate of 1000Mbps.
Shipping Weight:	.2 lbs

CIRCUITRY

Circuit Design:	Series wired hybrid design incorporating discrete all mode protection and utilizing our avalanche diode technology design to provide lowest possible let-through voltages.
Protection Modes:	Dedicated protection components and circuitry for each mode. Discrete L-L (Normal Mode) and L-G.
Maximum Data Rate:	1000.0 Mbps

PERFORMANCE

Maximum Continuous Operating Voltage:	15VDC
Maximum Shunt Capacitance	< 25pF
Insertion Loss at 250MHz:	<4 dB.
Peak Surge Current per wire:	97A per wire (10/1000 us s.c. waveform @Vcl)
Response Time:	<5 nanosecond

Because we are constantly seeking to improve our products, specifications are subject to change at any time.

Let-Through Voltages Using ANSI/IEEE C62-41-1991 Test Environment: Static, positive polarity. All voltages are peak (10%). Time base=5 sec.				
Model	Maximum Continuous Operating Voltages	Maximum Continuous Operating Current	Test Mode	RIng Wave 2,000V, 67A
ST-RJ45-CAT6	15VDC L-G 15VDC L-L	360mA	L-G L-L	<50 <50

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