

**Transient Voltage
Surge Suppressors By:**

**ST-RJ45-CAT5E
Data Line Models**

Network Data Circuit protection device with Discrete All-Mode Protection



"Power Quality is our Only Business"

P.O. Box 330607
Ft. Worth, TX 76163
Phone: 817.483.8497
Fax: 817.572.2242
www.sinetamer.com

The SineTamer® series ST-RJ45-CAT5E 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 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 encapsulated Optimal Response Network™ 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.
Warranty:	10 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 100Mbps.
Shipping Weight:	.1lbs

CIRCUITRY

Circuit Design:	Series wired hybrid design incorporating discrete all mode protection and utilizing our Optimal Response Network™ 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, Shield-G (Common Mode)
Maximum Data Rate:	100.0 Mbps

PERFORMANCE

Maximum Continuous Operating Voltage:	7.5VDC
Maximum Continuous Operating Current:	360ma
Maximum Data Rate:	100.0 Mbps
Peak Surge Current per wire:	3kW per wire
Response Time:	<1 nanosecond

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

© 2013 ECS International Inc. Specification Last Changed 11/13

Let-Through Voltages Using ANSI/IEEE C62-41-1991 Test Environment: Static, positive polarity. All voltages are peak ($\pm 10\%$). Time base=5 μ sec.				
Model	Maximum Continuous Operating Voltages	Maximum Continuous Operating Current	Test Mode	B3/C1 Impulse Wave 6,000V, 3000A
ST-RJ45-CAT5e	7.5VDC L-G 7.5VDC L-L 70 Shield-G	360mA	L-G L-L Shield-G	<20 <30 <170

