

**Transient Voltage  
Surge Suppressors By:**

**ST-RJ45-26-XCP  
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-RJ45-26-XCP 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 lug is provided on the face of the unit to insure a low impedance ground discharge path.

The design of this device make it among the most cost effective and versatile TVSS device found on the market with performance specs that are comparable to our competitors and a warranty that is second to none.

**GENERAL**

<b>Description:</b>	Series wired transient voltage surge suppressor with encapsulated <b>Optimal Response Network™</b> circuitry for protection of data circuits.
<b>Application:</b>	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.
<b>Warranty:</b>	<b>15 Years Unlimited Free Replacement</b>

**MECHANICAL**

<b>Enclosure:</b>	Plastic, UL 94V
<b>Mounting:</b>	External mounting feet.
<b>Connection Method:</b>	RJ45 modular connectors with all 8 pins protected with a data rate of 100Mbps.
<b>Shipping Weight:</b>	≈1lbs

**CIRCUITRY**

<b>Circuit Design:</b>	Series wired hybrid design incorporating discrete all mode protection and utilizing our encapsulated <b>Optimal Response Network™</b> design to provide lowest possible let-through voltages. All suppression circuits are completely encapsulated in our exclusive compound to assure long component life and complete protection from the environment and/or vibration.
<b>Protection Modes:</b>	Dedicated protection components and circuitry for each mode. Discrete L-L (Normal Mode) and L-G, Shield-G (Common Mode)
<b>Maximum Data Rate:</b>	100.0 Mbps

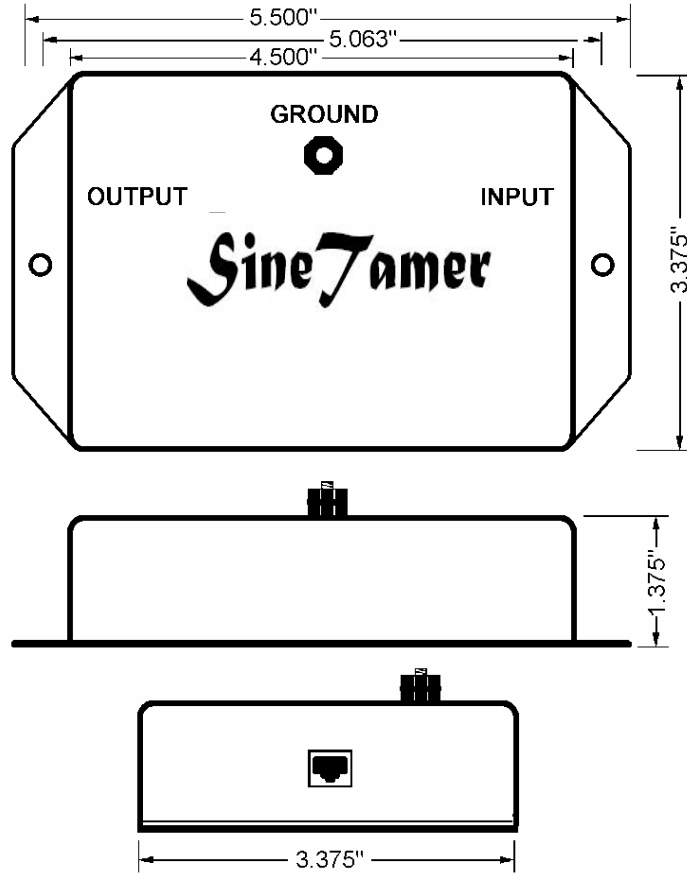
**PERFORMANCE**

<b>Maximum Continuous Operating Voltage:</b>	30VDC
<b>Maximum Continuous Operating Current:</b>	360ma
<b>Maximum Data Rate:</b>	100.0 Mbps
<b>Peak Surge Current per Pair:</b>	3kw
<b>Response Time:</b>	<1 nanosecond

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

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Let-Through Voltages Using ANSI/IEEE C62-41-1991 Test Environment: Static, positive polarity. All voltages are peak ( $\pm 10\%$ ). Time base=5 $\mu$ sec.				
Model	Maximum Continuous Operating Voltages	Maximum Continuous Operating Current	Test Mode	B3/C1 Impulse Wave 6,000V, 3000A
ST-RJ45-26-XCP	30VDC L-G 30VDC L-L 70 Shield-G	360mA	L-G L-L Shield-G	<70 <70 <170



**Modular RJ-45 Connection**