

Transient Voltage
Surge Suppressors By:

Energy Control Systems
Fort Worth, Texas U.S.A.



COAXIAL Models ST-BNC-Coax and ST-F-Coax

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"Power Quality is Our Only Business"

The Coaxial Series devices are designed to protect Data and signal transfer circuits, LANs operating Thin Ethernet / ThinNet (10Base2), Token Ring (802.5), 802.3, CCTV, CATV, cable TV, Radio Frequency Receiving Equipment, coax Satellite Systems, and a wide variety of similar circuits using coaxial connections This device is connected in series using common BNC or "F" coax connectors, making your installation a breeze. A ground lug is provided on the side of the unit to insure a low impedance ground discharge path.

The unique design of these devices make them among the most versatile TVSS devices on the market with performance specs that are superior to our competitors and a warranty that is second to none.

GENERAL

Description:	Series connected transient voltage surge suppressor with encapsulated Optimal Response Network™ circuitry for use on a wide variety of circuits using coaxial connections.
Application:	Data and signal transfer circuits, LANs operating Thin Ethernet / ThinNet (10Base2), Token Ring (802.5), 802.3, CCTV, CATV, cable TV, Radio Frequency Receiving Equipment, coax Satellite Systems, and a wide variety of similar circuits using coaxial connections.
Warranty:	25 Years Unlimited Free Replacement
Model Numbers:	ST-COAX-F and ST-COAX-BNC

MECHANICAL

Enclosure:	Die cast (shielded) aluminum alloy
Connection Method:	Input – male, Output – male, Ground - wire clamping box terminals.
Shipping Weight:	1 lbs

CIRCUITRY

Circuit Design:	Series wired hybrid low capacitance design using our encapsulated Optimal Response Network™ 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.
Protection Modes:	L-G (Common Mode)

PERFORMANCE

Maximum Continuous Operating Voltage:	27 volts peak
Maximum Continuous Operating Current:	300 mA
Frequency Range:	DC to 1.5 GHz
Maximum Data Rate:	Up to 150 Mbps
Series Resistance:	0 ohms
Insertion Loss:	<3 dB from DC - 1.5 GHz
Peak Surge Current per Pair:	10,000 Amps
Response Time:	<1 nanosecond

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

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Dimensional Drawing

