



"Power Quality is Our Business"

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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, F, N, or UHF 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 makes them among the most versatile TVSS devices on the market with superior performance specs and a warranty that is second to none.

GENERAL	
Description:	Series connected transient voltage surge suppressor with 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
Available Models:	Refer to table listed on second page

MECHANICAL	
Enclosure:	Die cast (shielded) aluminum alloy
Connection Method:	Input – female, Output – female, Ground – grounding stud. DIN mounting foot (DIN option)
Shipping Weight:	< 1 lbs

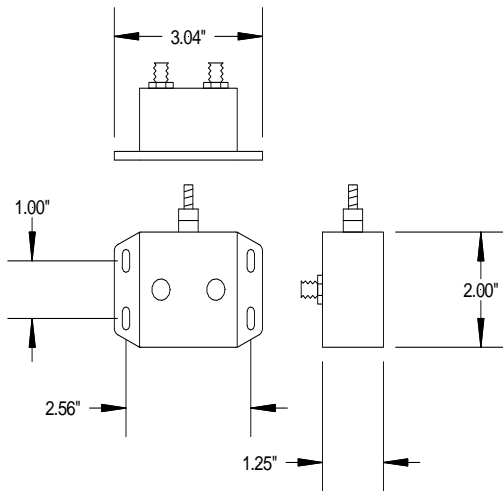
CIRCUITRY	
Circuit Design:	Series wired hybrid low capacitance design using our Optimal Response Network™ design to provide lowest possible let-through-voltages. All suppression circuits are encapsulated in our high dielectric compound to assure long component life and complete protection from the environment and/or vibration. (HP models Excluded)
Protection Modes:	L-G (Common Mode)

PERFORMANCE	
Maximum Continuous Operating Voltage:	Refer to table listed on second page
Maximum Continuous Operating Current:	
Frequency Range:	
Maximum Data Rate:	
Series Resistance:	2 Ohms for HP type models, 0 Ohms for all others
Peak Surge Current per Pair:	10 kA
Response Time:	< 1 ns

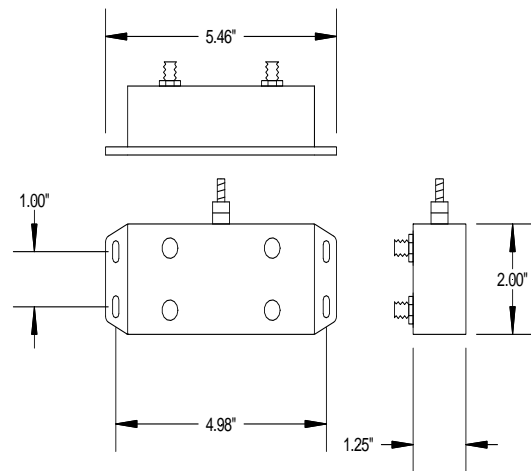
Our manufacturing facility is also one of the few in the industry to be ISO-9001 certified by National Quality Assurance USA.

Maximum Continuous Operating Voltage Current and Maximum Data Transmission Rate					Let-Through Voltages Using ANSI/IEEE B3/C1 Impulse Wave 6 kV, 3 kA
Model	MCOV	MCOC	Maximum Data Transmission Rate	Frequency Range	
ST-COAX-F-HP	15 VDC	500 mA	150 Mbps	DC to 1.5 GHz	98 V
ST-COAX-BNC-HP	15 VDC	500 mA	150 Mbps	DC to 1.5 GHz	
ST-COAX-F-HP-2	15 VDC	500 mA	150 Mbps	DC to 1.5 GHz	
ST-COAX-BNC-HP-2	15 VDC	500 mA	150 Mbps	DC to 1.5 GHz	
ST-COAX-F	60 VDC	500 mA	≤ 150 Mbps	≤ 1.5 GHz	251 V
ST-COAX-BNC	60 VDC	500 mA	≤ 150 Mbps	≤ 1.5 GHz	
ST-COAX-F-2	60 VDC	500 mA	≤ 150 Mbps	≤ 1.5 GHz	
ST-COAX-BNC-2	60 VDC	500 mA	≤ 150 Mbps	≤ 1.5 GHz	
ST-N-COAX	90 VDC	500 mA	≤ 150 Mbps	≤ 1.5 GHz	< 300 V
ST-F-COAX-TV	60 VDC	500 mA	≤ 85 Mbps	≤ 850 MHz	251 V

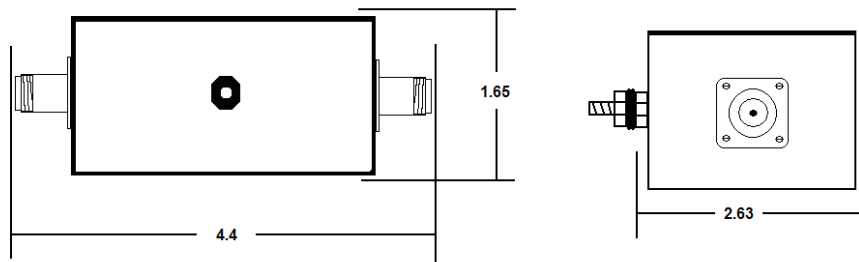
Single port coax model



Dual port coax model



Type "N" or UHF type connectors



Actual unit may vary from units pictured

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