

TRAFFIC CONTROL / COAXIAL

HE75CXR



DESCRIPTION

The HE75CXR surge suppressor is a multi-stage, solid-state product designed to suppress the differential voltage impulses between the inner and outer conductors of an RF transmission line associated with natural electrical charges that exceed the device turn-on voltage. When properly installed outside to a low resistance ground, as per EIA-RS-222C standard, the HE75CXR will provide a conductive path to the grounding system for said voltages up to the rated current-handling capability. The HE75CXR may be ordered with BNC connectors for CCTV, Data and Audio applications or the popular "F" type female connectors which make the suppressor compatible with CATV installations. Other connectors are available on request at a nominal charge.

Internally, the HE75CXR utilizes a single element gas discharge tube. This tube is highly recognized as the "CADILLAC" of gas tube arrestors. When an over-voltage condition is present, the gas tube appears as a short circuit. When the voltage surge is dissipated, the gas tube returns to its normal high impedance state automatically. Overvoltage transients are also addressed via silicone avalanche diodes. PTCs (resettable fuses) are also utilized within the protection scheme. The transmission line is only one means of having impulses enter your equipment. We strongly recommend that power line protection also be installed. Be sure to follow good grounding practices to include minimum bends and large bending radii. Make sure all grounds are tied together.

SPECIFICATIONS

Peak Surge Current	
8 x 20us.....	*20KA
Surge Voltage.....	90 VDC Nominal
Clamp Voltage.....	Selectable
Response Time.....	<1ns
Energy.....	500 Joules
Insertion Loss.....	<1dB @ 6 MHz
Impedance.....	50 or 75 Ohms
Frequency.....	up to 200MHz
Connectors.....	Type "F" or "BNC"
Protection Scheme.....	Line to Ground
Temperature.....	-40°C to +85°C
Humidity.....	0-95% Non-condensing
Mounting.....	Ground Stud (#10) or Aluminum Mounting Plate

*The 8x20us waveform is a standard test waveform.

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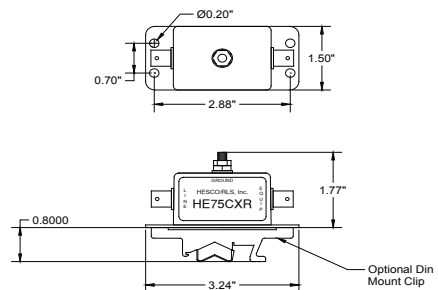
For more information and product support call us at...

1-800-547-4868

FEATURES

- Made In America
- Utilizes "BNC" Type Connectors
- Weatherproof
- EMI/RFI Shielded
- Selectable Clamp Voltage
- Din Rail Mount Available

DIMENSIONS



ORDERING INFORMATION

Be sure to specify clamping voltage, connector type, and isolated shield from ground if required. Also designate impedance level. The HE75CXR is also offered in an isolated version (HE75CXRI). The HE75CXRI offers the same protection as the HE75CXR, but the shielding and grounding are isolated. Dimensions of HE75CXRI base are available upon request.