



Features

- Hybrid, three-stage technology using gas tubes, SADs and PTCs
- Sneak/Fault Current Protection
- Low Insertion Loss
- Shielded Case
- 5 Year Warranty

Applications Guide

- CCTV Head End
- CCTV Camera End

The STC-CCTV Series is specifically designed to meet coaxial applications found within most industrial facilities. These products are tailored specifically to CCTV applications. These units are single Coax Surge Protective Devices implementing three-stage hybrid technology. These units address overvoltage transients with a primary gas discharge tube (GDT), and secondary silicon avalanche diode (SAD) components. Overcurrent protection (e.g. sneak and fault currents) are mitigated with solidstate resettable fuses PTCs. The STC-CCTV units are designed in accordance with NFPA 780 (2004 edition) requirements, with up to 20kVA of surge current capability. The STC-CCTV-75I model has an isolated ground and is recommended for use at the camera end.

Specifications

Description	STC-CCTV-75	STC-CCTV-75I
Operating Voltage	5	
Clamping Voltage	6	
Frequency Range	0 to 20 MHz	
Equipment Location	IEEE Category C, and Category B	
Rated Load Current	0.35 amperes	
SPC Topology	2-Port Series	
STC Technology	Primary Stage Gas Discharge Tube (GDT), and Secondary Stage Silicon Avalanche Diode (SAD), w/ Series PTC	
Modes of Protection	Signal to Ground	
Nominal Discharge Current Per Mode	10.0 kA	
Maximum Discharge Current Per Mode	20.0 kA	
EMI Attenuation	< 0.1 dB at 20 MHz	
VSWR	< 1.2	
Continuous Power	0.72 Watts	
Operating Humidity	0-95% Non-Condensing	
Operating & Storage Temperature	-40°C to +85°C	
Input & Output Connection Type	BNC, 50 Ohm	
Mounting	Flange	
Enclosure Type	Metal	
Certifications	UL 497B Pending, NFPA 780 (2004) Compliant for Communication Protectors	
Warranty	5 Year	