

STC-CCTV Coax Series



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

Features

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

Application Guide

- CCTV Head End
- CCTV 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	
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	