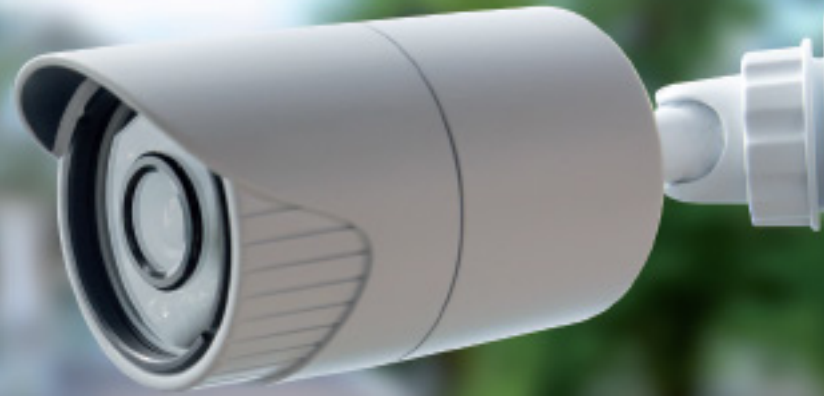




Tier100SPD Series

Tier-1 CX06

Data/Signal Surge Protection



The Southern Tier Technologies Tier-1 CX06 Data/Signal Surge Protective Device (SPD) incorporates a three-stage hybrid technology into a compact, easy-connect package. The SPD's high-energy gas discharge tube (GDT) and ultra-fast acting silicon avalanche diode (SAD) components allow this device to protect in the harshest environments, while sneak and fault currents are mitigated with an Auto Resettable Transition Fuse Circuit.

Why Install the Tier-1 CX06 SPD?

There's no easier way to protect sensitive, critical equipment. With up to 20kA of surge capability and a precisely coordinated SAD/ Auto Resettable Transition Fuse Circuit hybrid circuit, the Tier-1 CX06 offers the industry's best transient response and is suitable for any environment

Key Specs:

- **Operating Voltage:** 0 - 5VDC
- **Operating Current:** 750mA
- **Clamping Voltage:** 6VDC
- **Surge Capacity:** 20 kA
- **Connection:** BNC, 75 Ohm

Features:

- Sneak/fault current protection
- Low insertion loss
- Shielded case
- Isolated ground models available
- 5 year warranty

Innovative Solutions for Clean, Reliable Power



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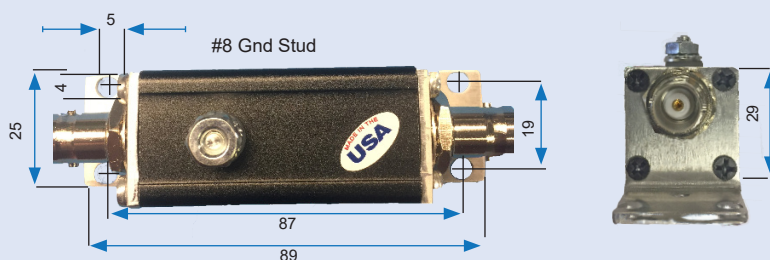
Monitoring for public safety, traffic control or loss prevention is an integral part of our world today. As a result, the equipment used is changing quickly, incorporating intelligent features that rely upon signal-carrying circuits. While these changes become more sophisticated, they also are more susceptible to transients and surges.

The Tier-1 CX06 is designed for BNC connected security or traffic control cameras. The product is designed to protect directly at the camera (isolated ground model) and at the cabinet or head-end of the system.

General Technical Specifications	
Operating Voltage	5 VDC
Clamping Voltage	6 VDC
Operating Current	0.750 A
Peak Surge Current	20 kA (8x20 us)
Frequency Range	0 to 20 MHz
Insertion Loss	< 0.2 dB @ 20MHz
Response Time	<0.5 ns
SPD Technology	GDT, SAD, Auto Resettable Transition Fuse Circuit
Connection Type	BNC, 75 Ohm
Temperature Range	-40 C to +85 C
Dimensions (in/mm)	29 x 25 x 89 (mm)
Weight (oz/kg)	2.3 oz /0.07 kg
Design Stnd	UI 497B, IEC61643-21

Ordering Information	
Application	Model #
Head End	T1CX06-M
Camera-End (isolated Ground)	T1CX06-MI

Dimensional Data (mm)



Installation Instructions:

T1CX-06-M:

- 1). Connect in line with the coaxial cable. Connect side labelled "Equip" to adjacent head-end equipment.
- 2). Connect incoming coaxial to side labelled "Cable"
- 3). Connect a ground wire (10-12 awg) and the AC power gnd of head-end equipment. Keep short and straight as possible.

T1CX-06-MI

- 1). Connect in line with the coaxial cable. Connect side labelled "Equip" to adjacent camera
- 2). Connect incoming coaxial to side labelled "Cable"
- 3). Connect ground wire and the AC power gnd or bldg ground at camera location. Keep short and straight as possible.