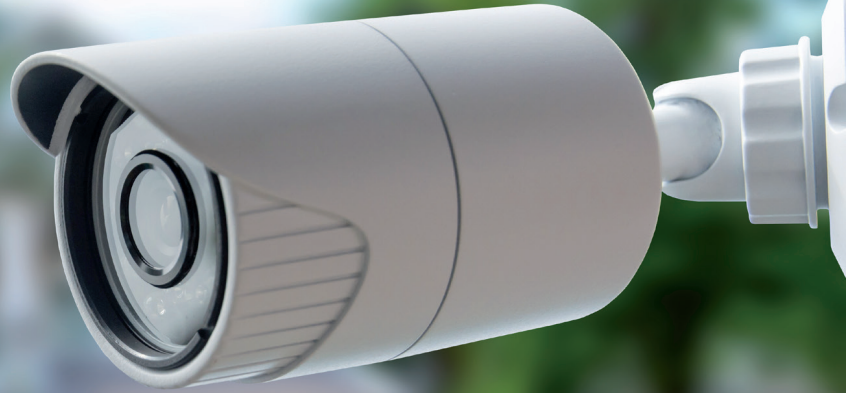




Tier 100SPD Series

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 solid-state resettable fuses (PTCs).

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/PTC 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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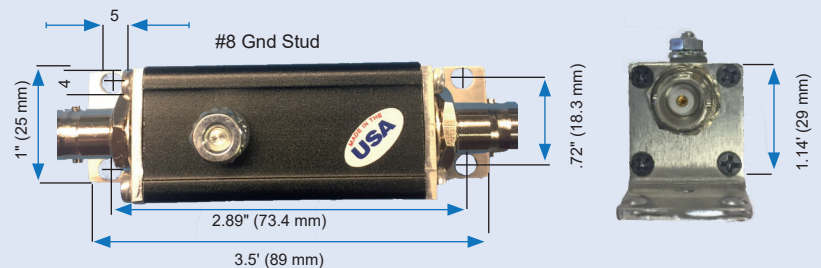
Monitoring for public safety, traffic control or loss prevention is an integral part of our world today. As a result, the equipment used is changing quickly, incorporating intelligent features that rely upon signal-carrying circuits. While these changes become more sophisticated, they also are more susceptible 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, PTC
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	T1-CX06-M
Camera-End (isolated Ground)	T1-CX06-MI

Dimensional Data (mm)



Installation Instructions:

T1-CX06-M:

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

T1-CX06-MI

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