



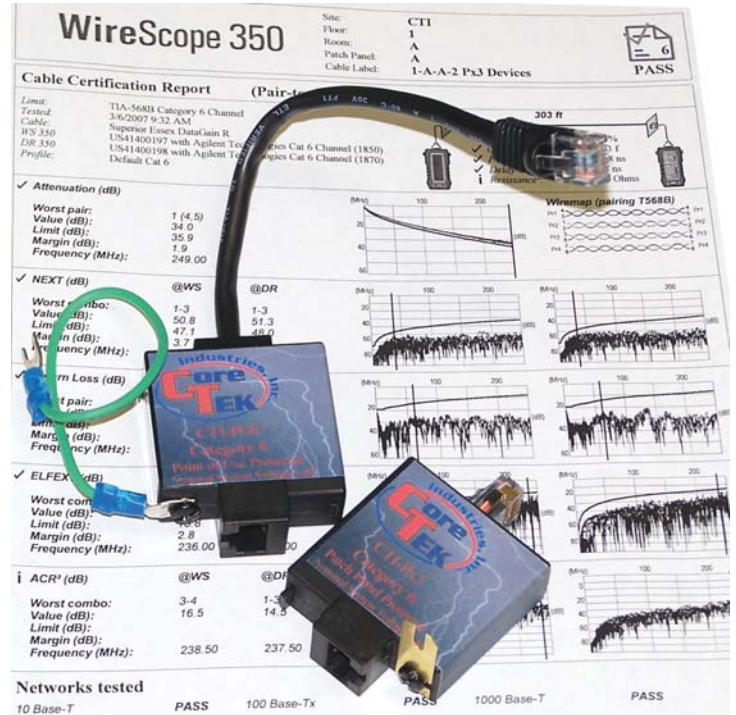
Cat 6 Protection

Modular Protection For Network Racks and I/O Ports...

If you have invested, or if you are about to invest, in a Category 6 structured wiring system you need to consider adding the CTI Series of surge protectors to that valuable investment. These cost-effective protection devices are completely compliant with your TIA/EIA residential/commercial network(s) and are backward compatible with older category 5 and 5e installations.

These TVSS protectors are of a plug-and-play design that requires no special tools to accomplish installation. They simply snap-in directly between a port and the incoming line and require only a good ground connection to complete the install process. Once installed the CTI Series provides coordinated protection with UPS systems and other AC protective equipment to provide your network with complete ingress protection.

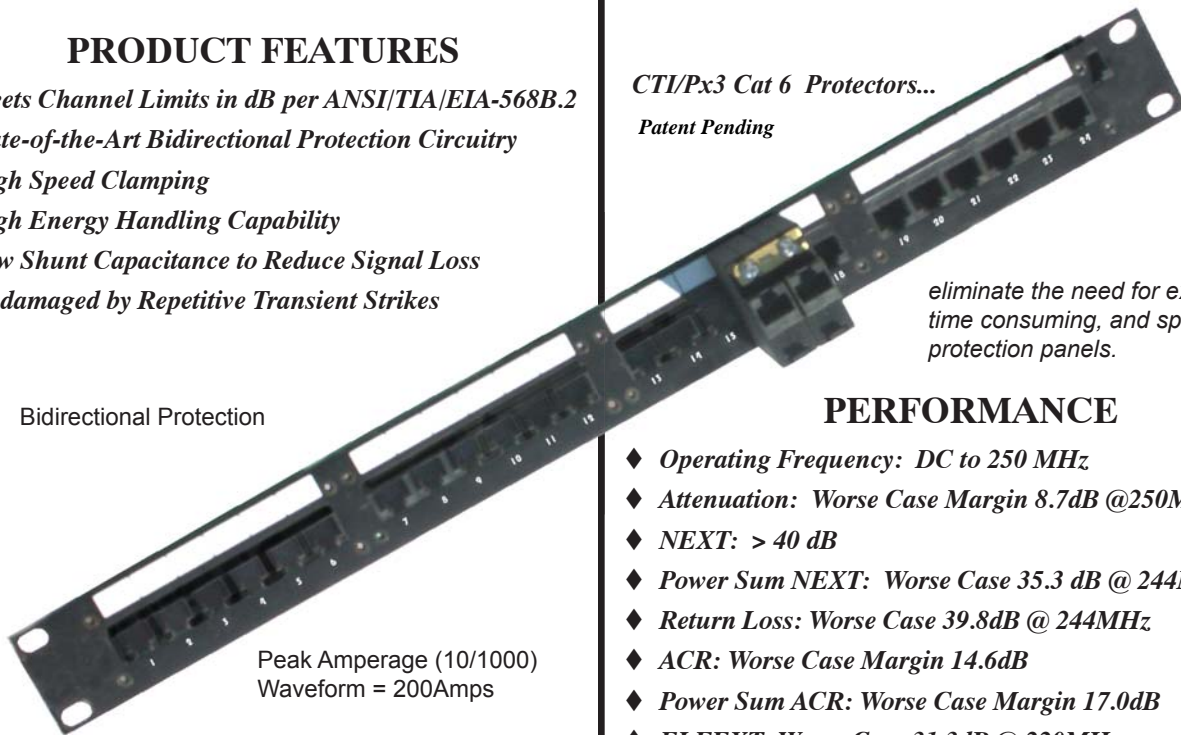
True Cat6 compatibility, the CTI Series of products have virtually no performance degrading effects on a 330-foot long cat6 cable with specified protectors installed at both ends. This kind of invisibility to the operating environment qualifies the CTI Series of protectors as the perfect choice to help keep your Cat 6 network safe and operational.



PRODUCT FEATURES

- ◆ *Meets Channel Limits in dB per ANSI/TIA/EIA-568B.2*
- ◆ *State-of-the-Art Bidirectional Protection Circuitry*
- ◆ *High Speed Clamping*
- ◆ *High Energy Handling Capability*
- ◆ *Low Shunt Capacitance to Reduce Signal Loss*
- ◆ *Undamaged by Repetitive Transient Strikes*

Bidirectional Protection



Peak Amperage (10/1000)
 Waveform = 200Amps

- ◆ *Molded in High Impact PBT*
- ◆ *Plug-In-Play Modularity for Racks and I/O Ports*
- ◆ *Backward Compatibility for Category 5 & 5E Networks*
- ◆ *5 Year Limited Warranty (Consult factory for details)*
- ◆ *Protection for Other Protocols Available...*

CTI/Px3 Cat 6 Protectors...

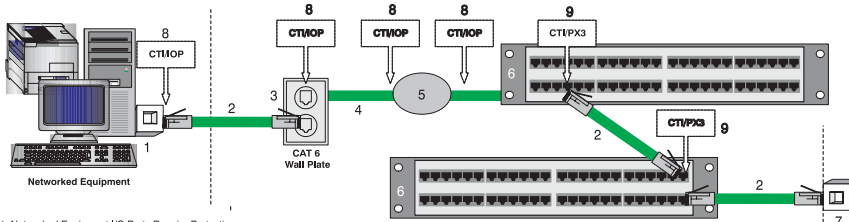
Patent Pending

eliminate the need for expensive, time consuming, and space hungry protection panels.

PERFORMANCE

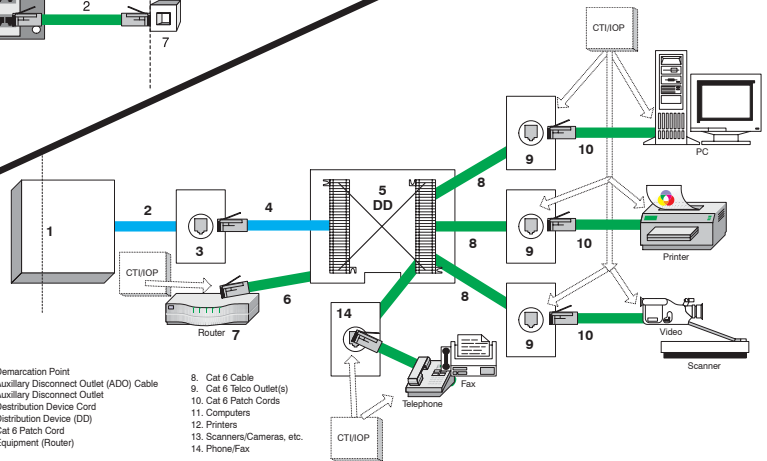
- ◆ *Operating Frequency: DC to 250 MHz*
- ◆ *Attenuation: Worse Case Margin 8.7dB @250MHz*
- ◆ *NEXT: > 40 dB*
- ◆ *Power Sum NEXT: Worse Case 35.3 dB @ 244MHz*
- ◆ *Return Loss: Worse Case 39.8dB @ 244MHz*
- ◆ *ACR: Worse Case Margin 14.6dB*
- ◆ *Power Sum ACR: Worse Case Margin 17.0dB*
- ◆ *ELFEXT: Worse Case 31.3dB @ 220MHz*
- ◆ *Power Sum ELFEXT: >38dB*
- ◆ *Capacitance: < 2pF*
- ◆ *Clamping Voltage: 7.5V*
- ◆ *Response Time: < 5 nanoseconds*
- ◆ *EIA/TIA-568B Compliant*

PRODUCT APPLICATIONS



1. Networked Equipment I/O Ports Require Protection...
2. Cat 6 Patch Cables
3. Protection can be provided/located at the Wall Plate...
1. Cat 6 Cable
5. Transition or Consolidation Point (optional)
3. Patch Panel I/O Ports need to be protected...
7. Telecom Equipment
3. CTI/IOP-CAT6
3. CTI/Px3-CAT6

COMMERCIAL



1. Demarcation Point
2. Auxiliary Disconnect Outlet (ADO) Cable
3. Auxiliary Disconnect Outlet
4. Distribution Device Cord
5. Distribution Device (DD)
6. Cat 6 Patch Cord
7. Equipment (Router)
8. Cat 6 Cable
9. Cat 6 Telco Outlet(s)
10. Cat 6 Patch Cords
11. Computers
12. Printers
13. Scanners/Cameras, etc.
14. Phone/Fax

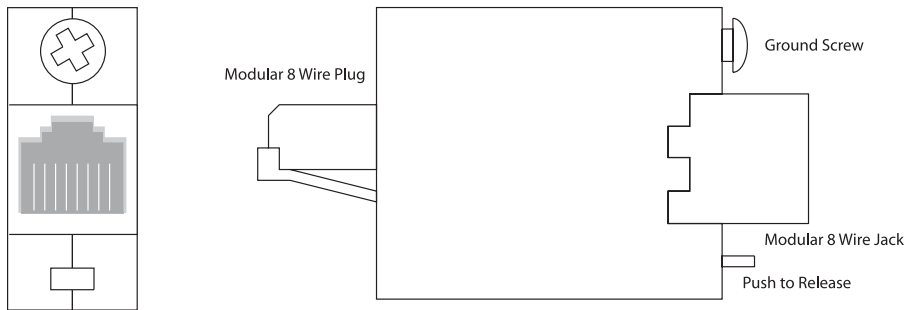
RESIDENTIAL

ORDERING INFORMATION

Model Number	Connector Type	CKTS Protected	Protection Circuit	APPLICATION
CTI/IOP-Cat 6	8 Wire RJ45/ Cat 6	All 8 Positions	Solid State Bidirectional	I/O Port Protection
CTI/Px3-Cat 6	8 Wire RJ45/ Cat 6	All 8 Positions	Solid State Bidirectional	Rack Protection

Not To Scale

L = 2.100" x H = 1.750" x W = 0.600"



Note: Plug End Can Be Replaced With A 6" Line Cord.

NOTE: Contact factory for additional Models and applications...



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