

Datasheet

RS 570 Twisted Pair Surge Protector

RS Stock 624-6224



Features

- Multi-level surge protection
- Operation at Speeds up to 100 Mbps
- Optional 2,4,6 or 8 wire versions
- EIA/TIA TSB-40A Category 5 Compliant
- N.E.X.T. better than -43 dB at 100 MHz
- Shunts surges directly to chassis ground
- Easy to install



DESCRIPTION

Devices that connect to Category-5 cabling systems are routinely threatened by unwanted electrical energy (lightning, AC power induction, ESD and more). Higher speed devices—such as those operating at 100 Mbps—are especially vulnerable to the effects of these hazards, which can include data loss and hardware damage.

The Patton Model 570 and 580 Series Surge Protectors provide effective surge protection for devices operating in Category-5 Cabling Systems. The Model 570 is specifically designed for point-of-use installation; the Model 580 is designed to be installed at the building entrance. Both models use a multi-stage Silicon Avalanche Diode circuit, and will continue functioning while handling the appropriate IEC 801.5 surges applicable to their use (see the tables in Appendix B).

Both the 570 and 580 will additionally protect against surges up to and exceeding 2kV/1kA in fail-safe mode.

Models 570 and 580 support a wide range of balanced interfaces from RS-422 to 100Base-T. Highlights include a low insertion loss (less than 0.4dB at 100MHz) and minimal near end cross talk (greater than -43 dB at all frequencies up to 100 MHz). Grounding is accomplished via an external ground strap that provides a separate unit-ground to chassis-ground connection.

Warning: This product will not provide complete protection should your equipment or building be subject to a direct lightning hit.