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ZONE BARRIER SERIES

Part #AT24528



The effective barrier between surges and sensitive I/O ports.

Application: The AT24528 protects detection loops and high speed RS422 digital interfaces from transients caused by direct or indirect lightning.

Installation: The Zone Barrier series can be mounted on any standard 35mm DIN rail, or any flat surface. Ground wire is required for surface mounted applications and will be included with purchase.

Technology: High energy gas discharge tubes are combined with a network of ultra fast diodes, silicon avalanche diodes and current limiting components to form three distinct stages of protection.

Approval: UL497A listed, tested to IEC801-5, CCITT K17

SPECIFICATIONS

Circuit Type: 3 Stage Series Hybrid

Lines Protected: 4 + Shield

Connectors: 5 Pos. Cage-Clamp Terminal Strip

Surge Capacity: 10,000A 8/20 μ s impulse per line

10,000A 8/20 μ s shield to ground

Let-through Voltage: 12V @ 5kV (10/700 μ s) CCITT K17

Clamp Voltage: 10V @ 1kA, 8/20 μ s

Normal Working Voltage: 6V

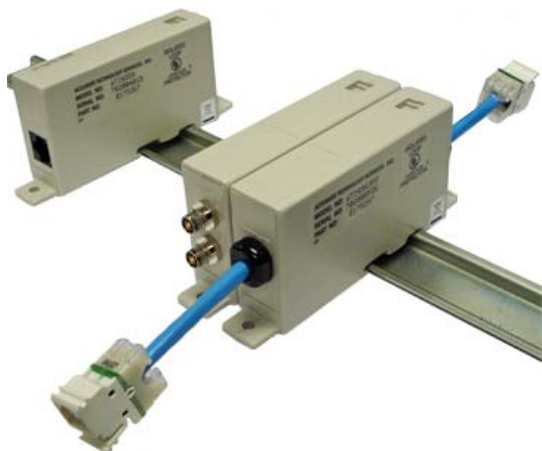
Max. Working Voltage: 7.5V

Max. Leakage Current: 5 μ A @ rated Voltage

Max Inline Resistance: 4.3 Ohms

Case Dimensions: 5.1" x 2.3" x 1.0" overall

Band Width: -3dB @ 50MHz in 50 Ohm system



Clamping Voltage measured between a pair during the common mode application of 2kV (1.2-50 μ s) 1kA (8/20 μ s) waveform