

## ZONE BARRIER SERIES

Part #AT24516



Surge suppression technology for your network lines and connected devices.

**Application:** The AT24516 protects RS423 or SV datalines from transients caused by direct or indirect lightning and other electrical surges.

**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 metal oxide varistors are combined with a network of silicon avalanche diodes and current limiting components to form three distinct stages of protection.

**Approval:** Tested to IEC801-5

### SPECIFICATIONS

Circuit Type: 3 Stage Series Hybrid  
Lines Protected: 4 + Shield  
Connectors: 5 Pos. Cage-Clamp Terminal Strip  
Surge Capacity: 3,000A 8/20 $\mu$ s impulse per line  
10,000A 8/20 $\mu$ s shield to ground  
Clamp Voltage: 12V @ 2kA 8/20 $\mu$ s  
Rated Voltage: 6V  
Max. Leakage Current: 5  $\mu$ A @ rated Voltage  
Max Inline Resistance: 4.5 Ohms  
Case Dimensions: 5.1" x 2.3" x 1.0" overall  
Band Width: > 50MHz

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

