



Accurate Technology Services, Inc.
829 Gretel Ave, Concord, NC 28027
1-877-SRG-SRVC(774-7782)
ph: 1-704-784-8287 fax: 1-704-784-8290
www.atssurge.com sales@atssurge.com

ZONE BARRIER SERIES

Part #AT24518



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

Application: The AT24518 protects high speed RS485 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 five distinct stages of protection.

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

SPECIFICATIONS

Circuit Type: 5 Stage Series Hybrid
Lines Protected: 2
Connectors: 5 Pos. Cage-Clamp Terminal Strip
Surge Capacity: 10,000A 8/20 impulse per line
Let-through Voltage: 10V @ 5kV (10/700 μ s) CCITT K17
Clamp Voltage: 10V @ 3kA 8/20
Normal Working Voltage: 6V
Max. Working Voltage: 7.5V
Max. Leakage Current: 5 μ A @ rated Voltage
Max Inline Resistance: 4.3 Ohms
Max Frequency: 50 MHz
Case Dimensions: 5.1" x 2.3" x 1.0" overall

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

