



ITC-CAT5e Model

GENERAL SPECIFICATIONS

Description: Category 5e local area network transient voltage surge suppression device. 100-Base Tx, 10 Base T

Application: TIA/EIA-568-A-5 (Category 5e) Local Area Networks

Warranty: Five Year Free Replacement

Manufacturer Qualifications: ISO 9001:1994 Quality System Certification BSI FM 30833

MECHANICAL SPECIFICATIONS

Enclosure: ABS Plastic UL94V-0

Connection: Lines: Cat5e RJ45-modular jack connectors. Ground: 6 in. (15,40 cm) long braided cable with #6 ring terminal

Weight: 0.1 lb (0.05 kg)

ELECTRICAL/PERFORMANCE SPECIFICATIONS

Protection Modes: All 8 pins protected

Frequency Range: ≤ 250 MHz

Maximum Data Rate: 100 Mbps

Response Time: ≤ 1 nanosecond

Maximum Continuous Operating Voltage:
 13 V Line, 26V Line-Line

NEXT: 51.3 dB min. @ 100 MHz

PSNEXT: 43 dB min. @ 100 MHz

ELFEXT: 41 dB min. @ 100 MHz

PS-ELFEXT: 41 dB min. @ 100 MHz

Return Loss: 14 dB min. @ 100 MHz

Attenuation: 2.1 dB max. @ 100 MHz

Delay Skew: 1 ns/100 m ; max. @ 100 MHz

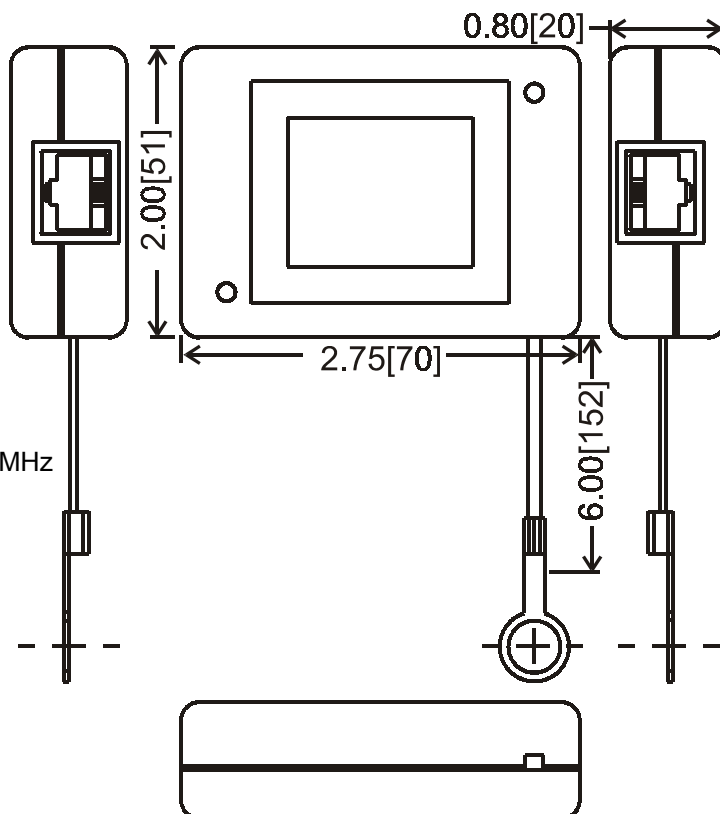
Propagation Delay: 18 ns/100 m; max. @ 100 MHz

Equivalent Wire Length: 12 feet (3,66 m)

Maximum Current: 1 Amp @ 25° C

ACR: 77 dB @ 100 MHz

PS-ACR: 69 dB @ 100 MHz



DIMENSIONS ARE IN INCHES[MM]

CCITT Rec. K17 Measured Limiting Voltage	
Mode	10/700 us Impulse 1 kV
Line-Ground	16
Line-Line	34