

# Ethernet RJ45 EMP Surge Protector

## Features

- Four twisted pair of Lines
- Excellent lightning and EMP protection
- Protects against over voltages produced by NEMP / HEMP, lightning or other transients
- Multi-stage protection
- Over Voltage and Over Current Protection
- Isolated input and output
- 360 deg Shielded Connectors
- Feed-through type Installation
- HEMP Protection according to MIL-STD-188-125
- Light Weight
- I/P and O/P are isolated by a magnetic circuit

## Technical Specification

- Operating Voltage:  $\pm 3$ VDC peak signal voltage between Wire Pairs
- Max Operating Voltage:  $\pm 55$ VDC peak signal voltage between Wire Pairs
- Data Rate: 10/100/1000 Mbps
- Rated Current: 250 mA
- Output Connection: RJ45 Female circular connector
- Input Connection: RJ45 Female circular connector
- HEMP Protection: MIL-188-125-1 & 2 (E1 & E2 Pulse)
- Max. surge current  $I_{Max}$ : 20 kA
- DC Resistance: Open Circuit
- Temperature Range : -25 °C to 85 °C
- Earth Leakage Current : 1 mA max (Also available in low leakage Current)



## Application

- HEMP Protection
- EMP Protection of Chambers, shelters and vehicles
- NEMP Protection of Ethernet
- IEMP Protection of Chambers, shelters and vehicles
- Lightning Protection of Ethernet Port
- Surge Protection of Ethernet Port

## Presentation

Aluminium

## Mounting

- Feed Through Mounting
- Attached by Gasket and Washer

## Termination

- Output Connection: RJ45 Female circular connector
- Input Connection: RJ45 Female circular connector

## Weight

500 Grams

## HOW TO ORDER

Part Number	Data Rate
EMIS - RJ- 1000	10/100/1000
EMIS - RJ- 100	10/100
EMIS - RJ- 10	10

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