



Data Network Protection Information Technology System

100 BASE T

Features

The *Data-Pro 100 Base T* transient suppression devices are used to protect LAN systems using UTP conductors. These in-line devices handle data rates in excess of 100Mbps fully duplexed with insertion losses of less than 0.5dB and are fitted with Category 5 RJ45 male/female connectors. They are available in either stand-alone or 19" rack-mount units which can be selectively loaded up to 16 ports.



- Compact size 1u
- Ultra fast and robust protection
- Simple plug-in installation
- Coarse and fine protection stages
- Low signal loss
- No external power required
- Patch leads included

Compliance

- IEEE 472 (ANSI C37.90a)
- IEEE 587 (ANSI C62.41) Category B
- IEC 1312-3 LP20B

Electrical Specifications

Static Conditions @ 25°C

Maximum continuous voltage	±8Vp
Max data rate	100Mbps duplexed
Series resistance	1.5 ohms
Insertion loss @ 16Mbps	<0.5dB
Operating temperature	-10° to +55°C

Transient Conditions @ 25°C

Max voltage withstand (1.2/50µs)	>10kV
Max current withstand per line (8/20µs)	>10kA
Typical protection levels (Line to earth)	12V
Typical protection levels (Line to line)	12V
Typical response time	<5ns

Stock Numbers

EPT-20-012 : 100 Base T stand alone unit
EPT-20-122 : 100 Base T 12-way rack
EPT-20-162 : 100 Base T 16-way rack
EPT-20-240 : 100 Base T 24-way rack
EPT-20-412 : 100 Base T stand alone with mounting tab
EPT-20-882 : 100 Base T 8 way rack – wall mountable

** Powerhouse reserves the right to alter its design or technical specifications without prior notice.*