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Data Surge Protector, Indoor, Gigabit Ethernet PoE Shielded RJ45



Data Surge Protection Device Technical Data Sheet LPXTRJ45-GBPOE

Features

- Passes and Protects Data and DC Power
- Shielded RJ-45 Connectivity
- DIN-Rail Mount or Wall Mount
- Compact Form Factor

Applications

- Ethernet Lines
- Power over Ethernet Devices
- WISP/ISP
- IT & Data Centers

Description

Data surge protector (also known as SPD or lightning protector) LPXTRJ45-GBPOE from L-com, is an Indoor style SPD that utilizes state of the art GDT technology to protect critical equipment in 10/100/1000Base-T IEEE 802.3af protocol data networks, while remaining transparent to data throughput and passing DC power through. This surge protector provides effective protection against electrical transient surges that are generated both by external lightning events and by internal switching events, and supports long-term system reliability by safely shunting high amounts of transient energy while maintaining a very low clamping voltage. L-com data surge protectors are available in stock with same day shipping.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Connectors		Shielded RJ45		
Compatible Cables		Cat5/5e UTP/STP, Cat6/6A STP, Cat7 STP		
Data Protocols		10/100/1000Base-T		
Data Rate			1,000	Mb/s
Characteristic Impedance			100	Ohms
Capacitance (Differential)			5	pF
Capacitance (Common)			3	pF
Power over Ethernet Protocols		IEEE 802.3af		
Vdc Rating (Data)		48	60	Vdc
PoE Power			15	W
PoE Current Per Pin			300	mA

Surge Protection Specification

Description	Minimum	Typical	Maximum	Units
Surge Protection Technology		GDT		
Protected Pins		[1,2], [3,6], [4,5], [7,8]		
Protection Modes		L-G, L-L		
10/1000µs Surge Current				
L-G			100	A

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L-L	100	A
8/20µs Surge Current		
L-G	1	kA
L-L	1	kA
Response Time	75	ns

Mechanical Specifications

Size

Height	0.94 in	[23.88 mm]
Width	0.97 in	[24.64 mm]
Depth	3.67 in	[93.22 mm]
Weight	0.2 lbs	[90.72 g]

Environmental Specifications

Operating Temperature	-40 to +75 deg C
Storage Temperature	-40 to +75 deg C
Mount Type	Wall, Din, Rack
Installation Hardware	Ground Clip, 4-40 PH Phillips Screw, #4 Split Lock Washer
Grounding	DIN Clip

Compliance Certifications

RoHS Compliant	Yes
CE Compliant	Yes

Our portfolio includes coaxial cable assemblies, connectors, adapters and custom products as well as lightning and surge protectors, NEMA rated enclosures, and an RF product line which includes antennas, amplifiers, passive, and active components.

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LPXTRJ45-GBPOE CAD Drawing

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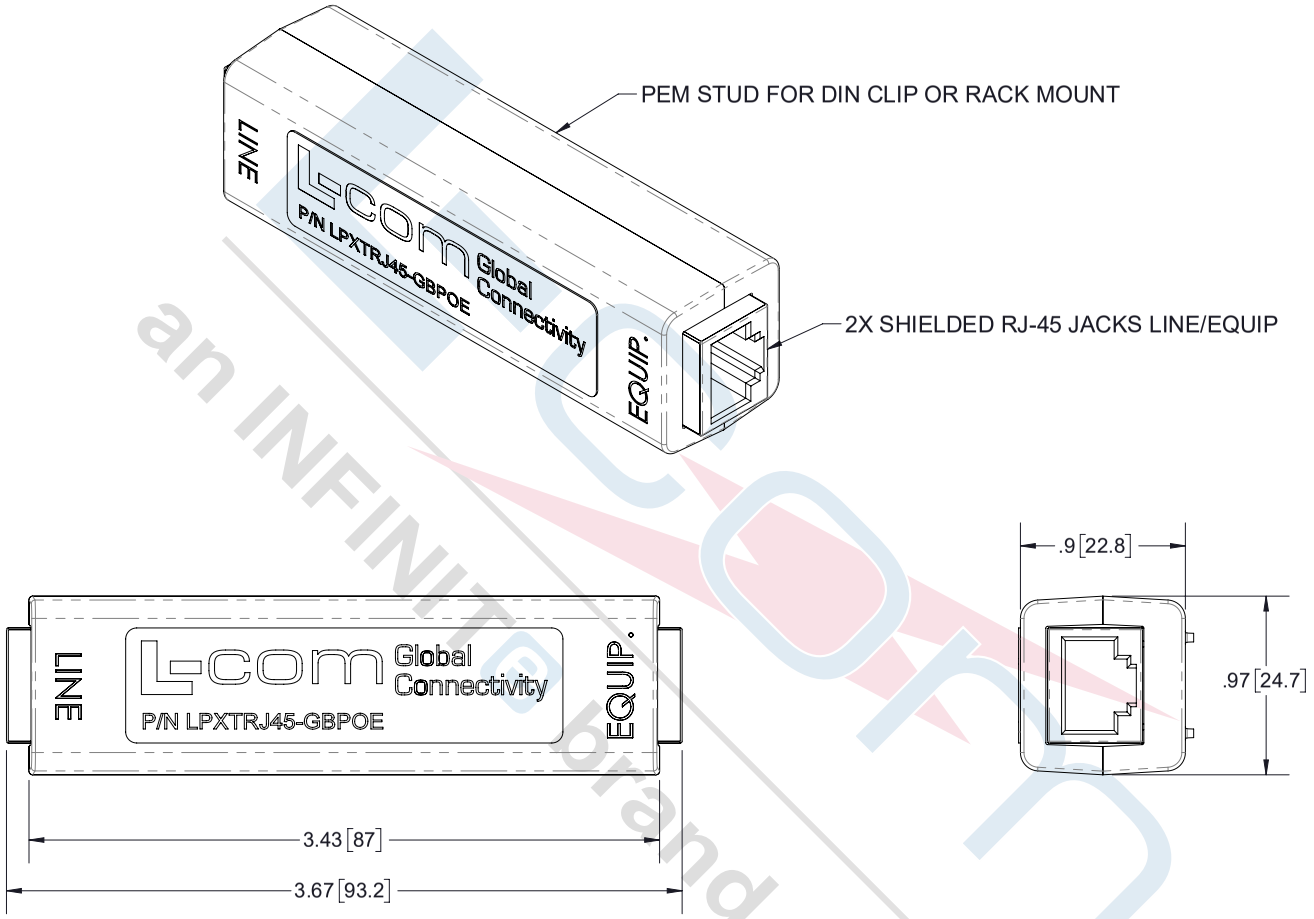
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	9/9/19	DWR



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UNLESS OTHERWISE SPECIFIED
LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [ ] ARE MILLIMETERS

TOLERANCES:

.X=± .2 [5.08]	FRACTIONS
.XX=± .01 [.25]	± 1/32
.XXX=± .005 [.13]	ANGLES ± 1°

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

THIRD-ANGLE PROJECTION

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SHEET 1 OF 1

SCALE 1:1

SIZE	CAGE	DRAWN BY	PART NUMBER	REV
A	43321	DPM	LPXTRJ45-GBPOE	A

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