Data Surge Protector, Outdoor, 10 Gigabit Ethernet/Power over Ethernet++

Data Surge Protection Device Technical Data Sheet   LPXT-WP-10GB-POEBT60

Features

- 10 Gigabit Ethernet/PoE++
- Patented Weatherized Wiring Grommet
- Configurable Weep Holes
- Shielded RJ-45
- Conformal Coated PCBA
- Dielectric Lube to Weatherize RJ-45 Connections
- Pole or Wall Mount

Applications

- 10 Gigabit Ethernet/PoE++ Networks
- Telecommunications Base Stations
- WISP/ISP
- IT & Data Centers
- Point-to-Point Links
- Control Lines and Sense Loops
- Oil & Gas

Description

Data surge protector (also known as SPD or lightning protector) LPXT-WP-10GB-POEBT60 from L-com is an outdoor style SPD that utilizes state of the art SASD/GDT technology to protect critical equipment in Gigabit Ethernet/PoE++ protocol data networks while remaining transparent to data throughput. 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 absorbing high amounts of transient energy while maintaining a very low clamping voltage. L-com Data Signal surge protectors are available in stock with same day shipping.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Connectors		Shielded RJ45		
Compatible Cables		Cat 6/6A STP, Cat 7 STP		
Data Protocols		10 Gigabit Ethernet PoE++		
Data Rate			10,000	Mb/s
Characteristic Impedance			100	Ohms
Power over Ethernet Protocols		PoE++		
Vdc Rating (Data)	48		60	Vdc
PoE Power			100	W
PoE Current Per Pin			1.5	A

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LPXT-WP-10GB-POEBT60 REV 1

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Surge Protection Specification

Description	Minimum	Typical	Maximum	Units
Surge Protection Technology		SASD		
Protected Pins		[1,2], [3,6], [4,5], [7,8]		
Protection Modes		L-G, L-L		
8/20µs Surge Current				
L-G			1	kA
L-L			0.5	kA
Response Time			5	ns

Mechanical Specifications
Size

Height	4.5 in	[114.3 mm]
Width	4 in	[101.6 mm]
Depth	1.7 in	[43.18 mm]
Weight	0.33 lbs	[149.69 g]

Environmental Specifications

Operating Temperature	-40 to +65 deg C
Storage Temperature	-40 to +75 deg C
Environmental Protection Rating	IP65, NEMA 3R
Mount Type	Pole/Wall
Installation Hardware	Combination Drive Screw
Grounding	#10 - #12 AWG Ring Terminal

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.

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. L-com reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. L-com does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and L-com does not assume any liability arising out of the use of any part or documentation.

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LPXT-WP-10GB-POEBT60 REV 1

GROUND LUG

2X SHIELDED RJ-45 JACKS LINE/EQUIP

4.45 [113.0]

SLOT FOR TIE WRAP INSTALLATION

WEATHERIZED GROMMET WITH 3 POSITIONS FOR IN/OUT SERVICE WIRING AND GROUND

1.69 [43.0]

4.02 [102.2]

LPXT-WP-10GB-POEBT60

L-com

NOTES:
1. RoHS COMPLIANT TO MOST RECENT VERSION.

REVISION

ZONE	REV.	DESCRIPTION	DATE	CHANGED BY	APPROVED BY
	A	INITIAL RELEASE	02/01/2023	HBAKKE	DREBECK

L-com an **INFINITE brand**
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DESCRIPTION
OUTDOOR 10 GBE/POE++ ETHERNET PROTECTOR

CAGE CODE	DRAWN BY
43321	HBAKKE

ITEM NO.
LPXT-WP-10GB-POEBT60

SIZE		REV
A		A

SHEET 1 OF 1

SCALE NONE

INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5