PolyPhaser
an INFINITe brand

Twisted Pair Lightning Surge Protector Modules, 12 Vdc, Sold in Packs of 10

IX-10DC12

Features

- UL 497B certified
- Data protection modules optimized for Ethernet, PoE, RS-232, RS-422, RS-485, T1/E1 or POTS
- DC protection modules optimized or 12Vdc, 24Vdc, 48Vdc, 56Vdc or 72Vdc, available with isolated ground
- IP67 weatherized enclosure
- Pole mount kit IX-POLE-KIT available

Applications

- Enterprise networks
- Point to point radios
- PoE equipment
- Telco backhaul
- Internet service providers

Description

Modular data surge protector (also known as lightning arrestor) IX-10DC12 from PolyPhaser utilizing optimized designs for the most common synchronous data protocols that enables effective, weatherized protection for up to five twisted pairs. Protects critical hardware from lightning and other induced transients while remaining transparent to network traffic. Several commonly used configurations are available, while modules are also sold separately to support custom applications.

Electrical Specifications

Ethernet Standard   Modules

Description	Minimum	Typical	Maximum	Units
DC Operating Current			2	A
Series Impedance (DC)		0.05		Ohms
DC Operating Voltage		12		Volts

Surge Protection Specification

Description	Minimum	Typical	Maximum	Units
Surge				
Telcordia GR-1089-CORE 10/1000µs			100	A
Turn On Voltage (DC)		18		Vdc

Mechanical Specifications

Size

Length	5.25 in [133.35 mm]
Width/Diameter	2.5 in [63.5 mm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:
Twisted Pair Lightning Surge Protector Modules, 12 Vdc, Sold in Packs of 10 IX-10DC12

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Height	1.09 in [27.69 mm]
Weight	1 lbs [453.59 g]

Configuration

Connector	Screw Terminal Receptacle

Environmental Specifications
Temperature

Operating Range	-40 to +65 deg C

Installation

Mount Type	PCB Mount

Compliance Certifications

UL Compliance	UL 497B

Plotted and Other Data
Notes:
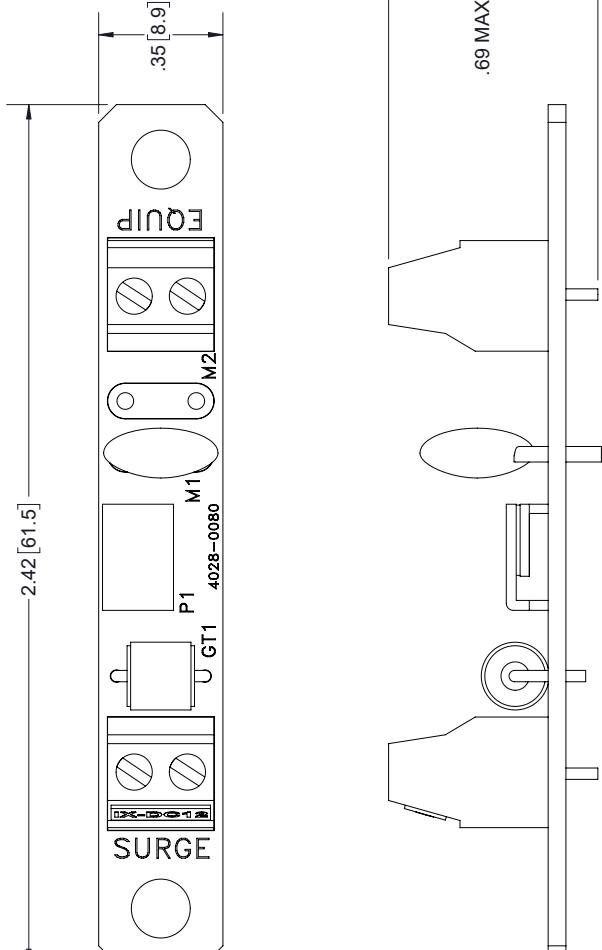
PolyPhaser protects and increases the reliability of global RF communications networks, including transportation, telecommunications, defense, security and industrial applications, with superior RF surge protection technologies including DC Block, DC Pass and Ultra Low PIM. Backed by responsive service and expert technical support PolyPhaser continually expands its product offering and services to serve engineers' urgent needs for RF components in mission critical communication networks.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: Twisted Pair Lightning Surge Protector Modules, 12 Vdc, Sold in Packs of 10 IX-10DC12

URL: https://www.polyphaser.com/IX-10DC12-p.aspx

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Twisted Pair Lightning Surge Protector Modules, 12 Vdc, Sold in Packs of 10

IX-10DC12 CAD Drawing

REVISIONS

REV.	DESCRIPTION	DATE	APPROVED
A	PRODUCTION RELEASE	5/19/2021	DWR

THIRD-ANGLE PROJECTION

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SHEET 1 OF 1

SCALE 2:1

REV A

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SIZE	CAGE CODE	DRAWN BY	PART NUMBER
A	30992	DMAY	IX-10DC12

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

TOLERANCES:
X = ± .2 [5.08] FRACTIONS
XX = ± .02 [.51] ± 1/32
XXX = ± .005 [.13] ANGLES ± 1°

CABLE LENGTH (L) TOLERANCES:
L ≤ 12 [305] = +1 [25] / -0
12 [305] < L ≤ 60 [1524] = +2 [51] / -0
60 [1524] < L ≤ 120 [3048] = +4 [102] / -0
120 [3048] < L ≤ 300 [7620] = +6 [152] / -0
300 [7620] < L = +5%L / -0

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

.35 [8.9]

.69 MAX [18 MAX]

2.42 [61.5]

EQUIP

M2

M1

P1 4028-0080

GT1

IX-DC12

SURGE

ASSEMBLY BOM

QTY	PART #	DESCRIPTION
A/R	7090-0004	BUBBLE SHT SM 3/16"
1	7060-0005	BOX 4.0x1.5x4.375 REVTUCK
1	8100-2048	INS SHEET IX BOARD ASSY
2	7050-0010	POLYBAG 5x6 3MIL
10	9400-0261	ASSY PCB DC 12 IX

T-Rev.D

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