

Twisted Pair Lightning Surge Protector Modules, 24 Vdc, Sold in Packs of 10



IX-10DC24

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 for 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-10DC24 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		24		Volts

Surge Protection Specification

Description	Minimum	Typical	Maximum	Units
Surge				
Telcordia GR-1089-CORE 10/1000 μ s			100	A
Turn On Voltage (DC)		33		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, 24 Vdc, Sold in Packs of 10 IX-10DC24](#)

Twisted Pair Lightning Surge Protector Modules, 24 Vdc, Sold in Packs of 10



IX-10DC24

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

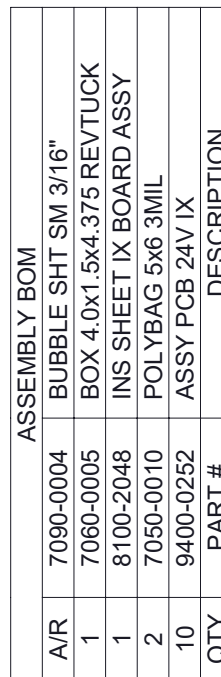
Notes:

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, 24 Vdc, Sold in Packs of 10 IX-10DC24](#)

URL: <https://www.polyphaser.com/IX-10DC24-p.aspx>

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. PolyPhaser reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. PolyPhaser does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and PolyPhaser does not assume any liability arising out of the use of any part or documentation.



UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS		TOLERANCES:		$X \pm .2$ [.08] FRACTIONS $XX \pm .02$ [.01] $\pm 1/32$ $XXX \pm .005$ [.13] ANGLES $\pm 1^\circ$		CABLE LENGTH (L) TOLERANCES:		$L \leq 12$ [2095] ± 1 [25] / -0 12 [2095] $< L \leq 60$ [1524] ± 2 [51] / -0 60 [1524] $< L \leq 120$ [3048] ± 4 [102] / -0 120 [3048] $< L \leq 300$ [7620] ± 6 [152] / -0 300 [7620] $< L \leq 1524$ ± 12 / -0					
THIRD-ANGLE PROJECTION				THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF POLYPHASER, INC ALL RIGHTS RESERVED.		SHEET		1 OF 1		SCALE		2:1	
PolyPhaser an INFINITE® brand		10701 Airport Road, Hayden, Idaho 83835, USA Phone: 1.208.635.6400 1.800.882.9110 Fax: 1.208.762.6133 Website: www.PolyPhaser.com E-mail: CustomerService@PolyPhaser.com		PART NUMBER		CAGE CODE		DRAWN BY		REV		IX-10DC24 A	
ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY		A		30992		DMAY							

THESE COMMODITIES, TECHNOLOGY OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED.