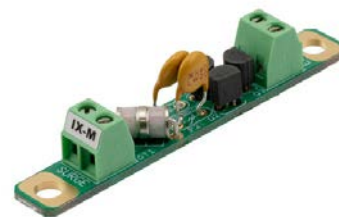# PolyPhaser
an INFINITE brand

Twisted Pair Lightning Surge Protector Modules, RS-232, Sold in Packs of 10

IX-10M

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 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-10M 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

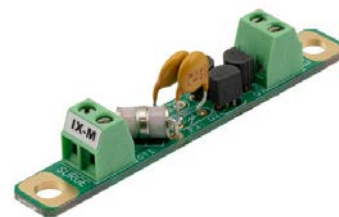Ethernet Standard   Modules

Description	Minimum	Typical	Maximum	Units
Data Rate			25	Mb/s
Capacitance (Differential)		100		pF
Capacitance (Common)		100		pF
Impedance		1		Ohms

Surge Protection Specification

Description	Minimum	Typical	Maximum	Units
Surge				
Telcordia GR-1089-CORE 10/1000µs			100	A
Turn On Voltage (Data)		31		Vdc

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, RS-232, Sold in Packs of 10 IX-10M

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Mechanical Specifications
Size
Length	5.25 in [133.35 mm]
Width/Diameter	2.5 in [63.5 mm]
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
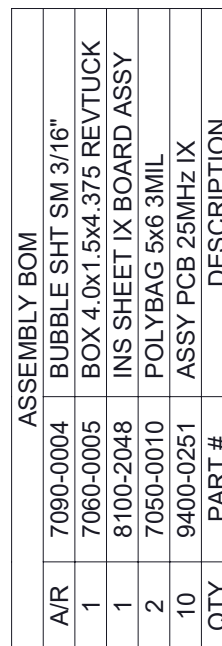|	
UL Compliance	UL 497B

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.

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

Twisted Pair Lightning Surge Protector Modules, RS-232, Sold in Packs of 10

IX-10M CAD Drawing

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