

Type N F/F Bulkhead Coaxial RF Surge Protector, 125MHz - 1GHz,  
DC Block, 500W, 800uJ, 20kA, Blocking Cap, Hole Mount



## IS-B50HN-C2

### Features

- Surge current of 20kA
- Max Power 500W
- Frequency range from 125 MHz to 1000 MHz
- N Female to N Female connectors
- VSWR <1.1:1
- Multi-strike capability
- CE & RoHS compliant

### Applications

- HF, UHF and VHF radios
- Ham radios
- Remote industrial monitoring

### Description

RF surge protector (also known as lightning arrester or surge arrestor) IS-B50HN-C2 from PolyPhaser, integrating a RF blocking capacitor with a gas tube (GT or GDT). This RF surge protector component is manufactured in a coaxial in-line design with wide operating frequency range. All PolyPhaser RF surge protector products are available in stock with same day shipping.

### Electrical Specifications

Surge Protector Type  
DC Handling

Blocking Cap and Gas Tube  
DC Block

Description	Minimum	Typical	Maximum	Units
Frequency Range	125		1,000	MHz
Impedance		50		Ohms
VSWR			1.1:1	
Insertion Loss			0.1	dB
Input Power, CW			500	Watts
500W @ 125MHz				
125W @ 1GHz				
Surge Current			20	kA
Turn On Voltage		1,200 ±20%		Volts
Throughput Energy			800	uJ
FOR 8/20µs WAVEFORM				

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:  
[Type N F/F Bulkhead Coaxial RF Surge Protector, 125MHz - 1GHz, DC Block, 500W, 800uJ, 20kA, Blocking Cap, Hole Mount IS-B50HN-C2](#)

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### Mechanical Specifications

#### Size

Length	2.76 in [70.1 mm]
Width/Diameter	1 in [25.4 mm]
Height	2.25 in [57.15 mm]
Weight	0.35 lbs [158.76 g]

#### Configuration

Input Connector	N Female
Output Connector	N Female

### Environmental Specifications

#### Temperature

Operating Range	-55 to +50 deg C
Storage Range	-55 to +125 deg C

Ingress Protection (IP) Rating

None

Humidity

90% @ 40°C

Vibration

1G @ 5Hz to 100Hz

### Compliance Certifications

RoHS

CE

### Plotted and Other Data

Notes:

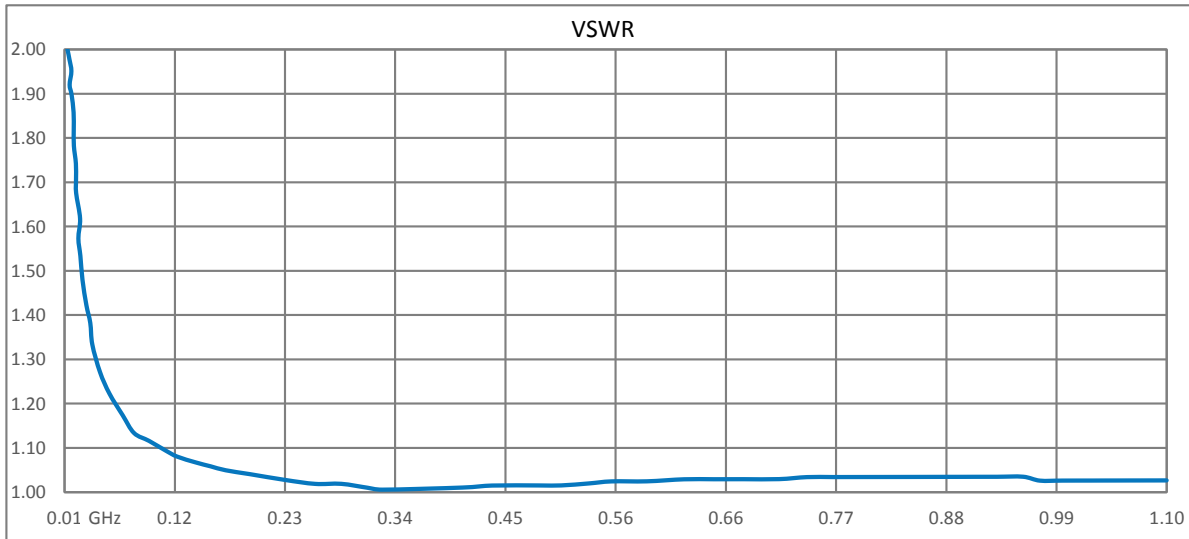
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### Typical Performance Data

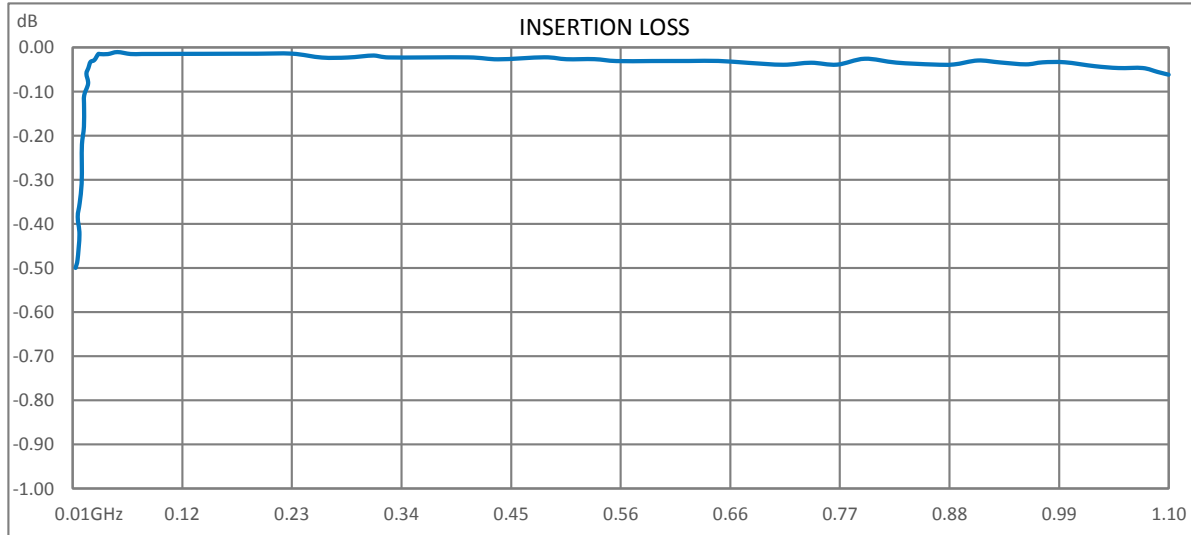


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PolyPhaser protects and increases the reliability of global RF communications networks, including transportation, telecommunications, defense, security and industrial applications, with superior RF surge protection technologies including DC Block, 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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IS-B50HN-C2 CAD Drawing

