



Type N F/M Bulkhead Coaxial RF Surge Protector, 125MHz - 1GHz,  
DC Block, 500W, 800uJ, 50kA, Blocking Cap, Hole Mount

## IS-B50HN-C2-ME

### Features

- Surge current of 50kA
- Max Power 500W
- Frequency range from 125 MHz to 1000 MHz
- N Female to N Male connectors
- VSWR 1.2:1
- 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 arrester) IS-B50HN-C2-ME 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
Passive Intermodulation			0	dBc
Operating Voltage (DC)			0	Volts
Input Power, CW			500	Watts
500W @ 125 to 220 MHz				
250W @ 220 to 700 MHz				
125W @ 700 to 1000 MHz				
Surge Current			50	kA
IEC 61000-4-5 8/20µs waveform				
Turn On Voltage		1,200 20%		Volts
Throughput Energy			800	uJ

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/M Bulkhead Coaxial RF Surge Protector, 125MHz - 1GHz, DC Block, 500W, 800uJ, 50kA, Blocking Cap, Hole Mount IS-B50HN-C2-ME](#)

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for 3kA 8/20μs waveform

### Mechanical Specifications

Weight 1 lbs [453.59 g]

#### Configuration

Input Connector N Female  
Output Connector N Male

### Environmental Specifications

#### Temperature

Operating Range -50 to +50 deg C  
Storage Range -55 to +85 deg C

Ingress Protection (IP) Rating None  
Vibration 1G at 5Hz to 100Hz

### Compliance Certifications

CE Compliant Yes  
UL UL497E

### Plotted and Other Data

Notes:

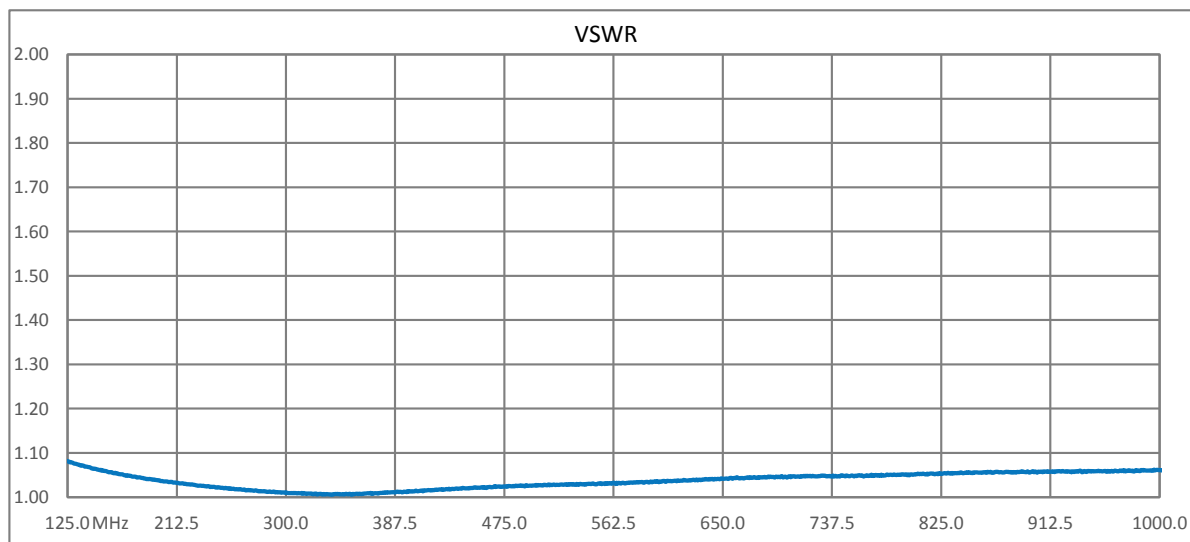
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### Typical Performance Data

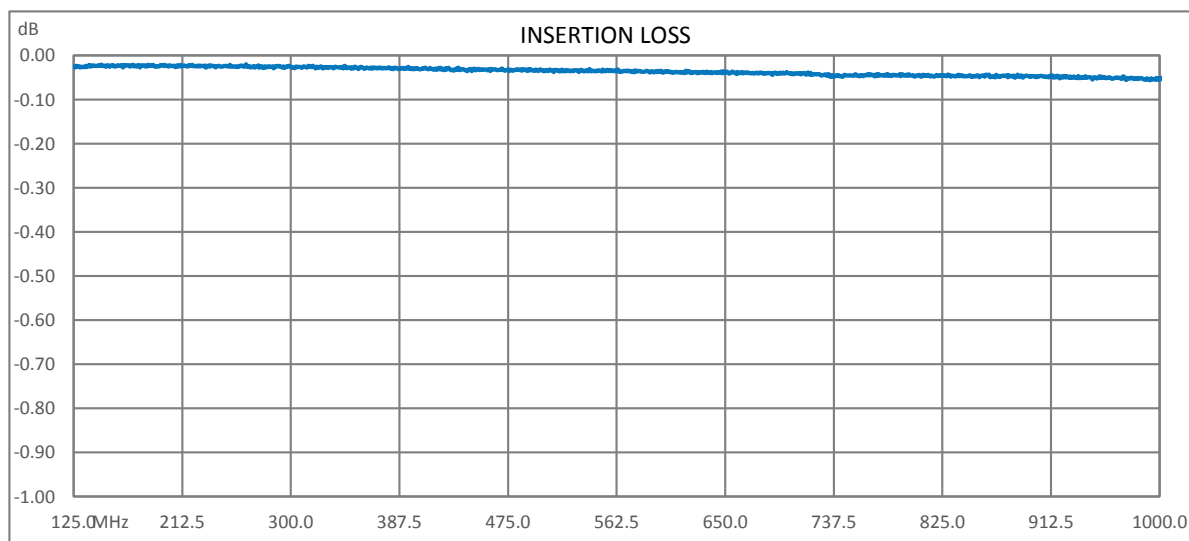


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PolyPhaser protects and increases the reliability of global RF communications networks, including transportation, telecommunications, defense, security and industrial applications, with superior RF surge protection technologies including DC Block, 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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URL: <https://www.polyphaser.com/type-n-surge-protector-1ghz-blocking-cap-gas-tube-is-b50hn-c2-me-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.

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IS-B50HN-C2-ME CAD Drawing

