

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



IS-B50HN-C2-MA

Features

- Surge current of 50kA
- Max Power 500W
- Frequency range from 125 MHz to 1000 MHz
- N Male 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 arrester) IS-B50HN-C2-MA 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 @ 125 to 220MHz				
250W @ 220 to 700MHz				
125W @ 700 to 1000MHz				
Surge Current			50	kA
IEC 61000-4-5 8/20µs WAVEFORM				
Turn On Voltage		1,200 ±20%		Volts
Throughput Energy			800	uJ
@ 3kA 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 M/F Bulkhead Coaxial RF Surge Protector, 125MHz - 1GHz, DC Block, 500W, 800uJ, 50kA, Blocking Cap, Hole Mount IS-B50HN-C2-MA](#)

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Mechanical Specifications

Width/Diameter	1 in [25.4 mm]
Height	2.25 in [57.15 mm]
Weight	0.37 lbs [167.83 g]

Configuration

Input Connector	N Male
Output Connector	N Female

Environmental Specifications

Temperature

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

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

Compliance Certifications

RoHS
CE

Plotted and Other Data

Notes:

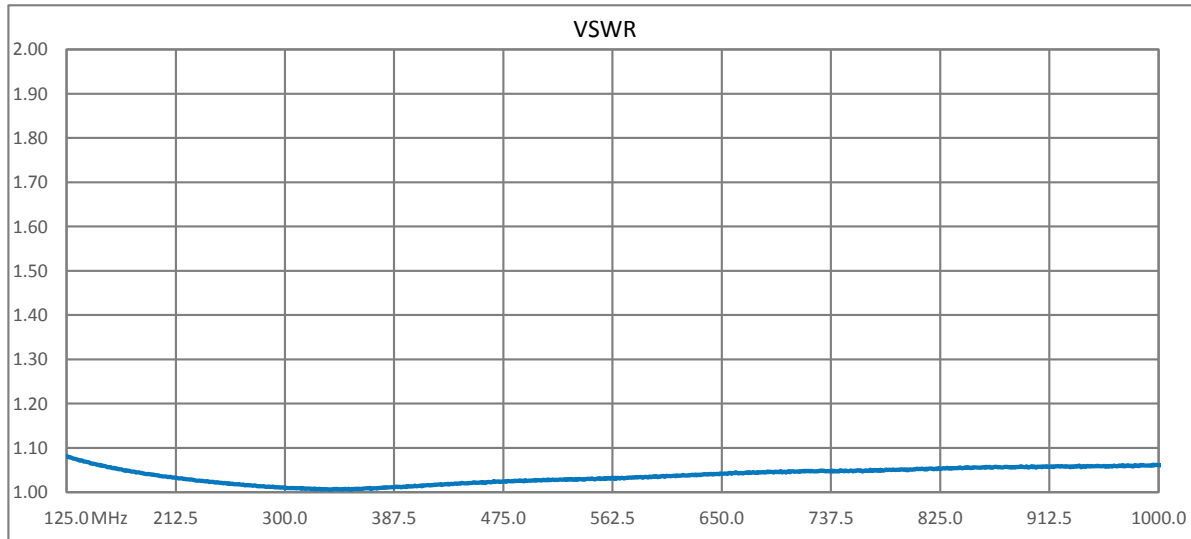
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:
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Typical Performance Data

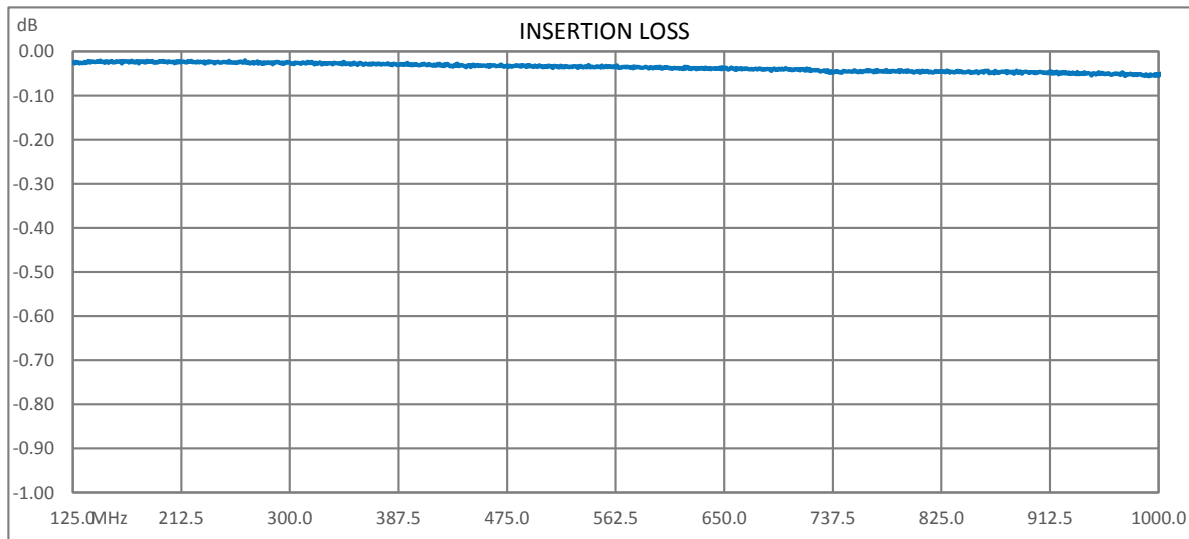


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PolyPhaser protects and increases the reliability of global RF communications networks, including transportation, telecommunications, defense, security and industrial applications, with superior RF surge protection technologies including DC Block, 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.

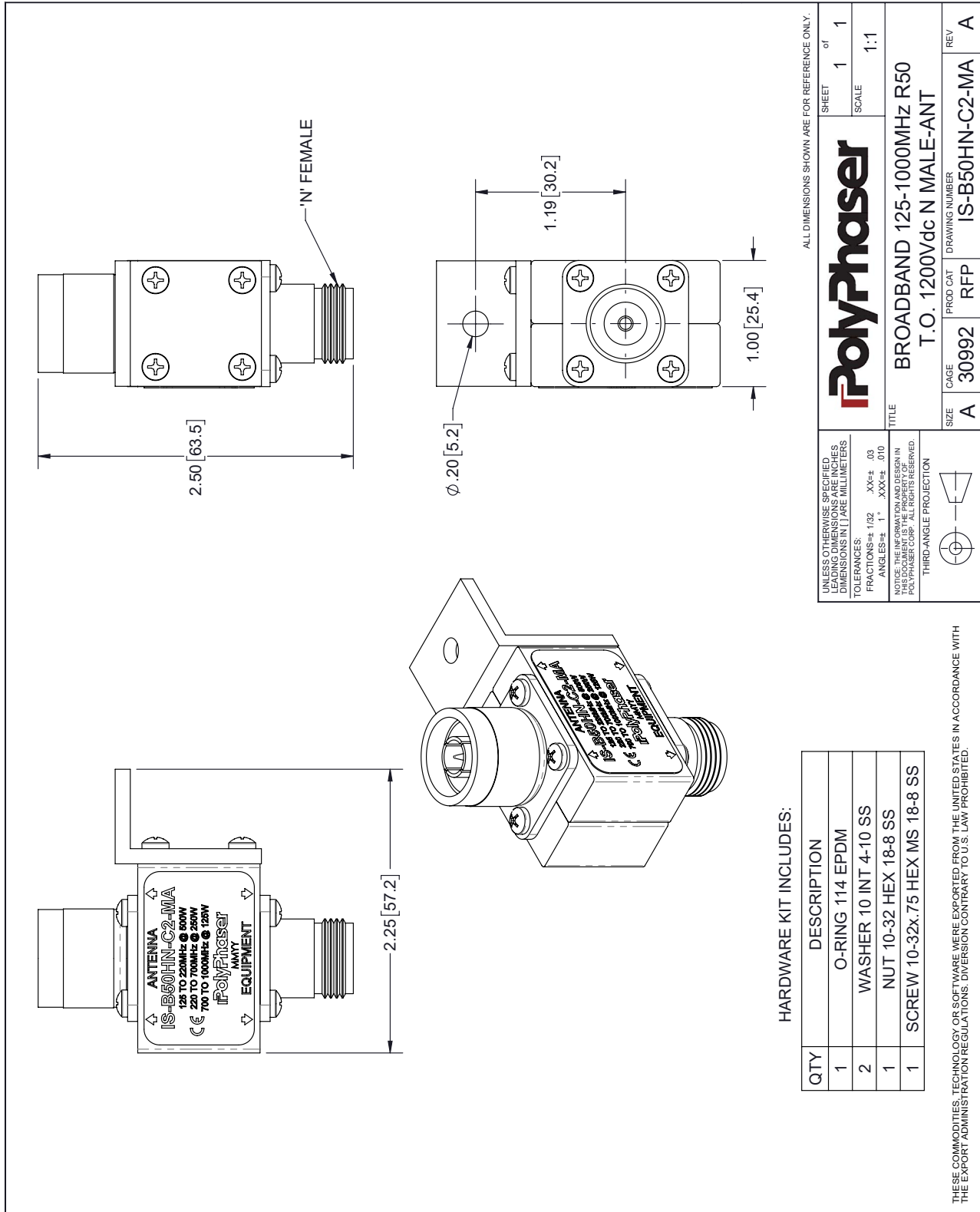
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URL: <https://www.polyphaser.com/type-n-surge-protector-1ghz-blocking-cap-gas-tube-is-b50hn-c2-ma-p.aspx>

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IS-B50HN-C2-MA CAD Drawing



HARDWARE KIT INCLUDES:

QTY	DESCRIPTION
1	O-RING 114 EPDM
2	WASHER 10 INT 4-10 SS
1	NUT 10-32 HEX 18-8 SS
1	SCREW 10-32x.75 HEX MS 18-8 SS

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ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

		SHEET	1	of	1
		SCALE		1:1	
UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS TOLERANCES: FRACTIONS ± 1/32 .XXF ± .03 ANGLES ± 1° .XXX ± .010		TITLE BROADBAND 125-1000MHZ R50 T.O. 1200Vdc N MALE-ANT			
THIRD-ANGLE PROJECTION 		SIZE	A	CAGE	30992
		PROD CAT	RFP	DRAWING NUMBER	IS-B50HN-C2-MA
		REV	A		