

Type N M/F Coaxial RF Surge Protector, 125MHz - 1GHz, DC Block, 375W, 220uJ, 50kA, Blocking Cap, Bracket Up, Hole Mount



## IS-50NX-C2-MA

### Features

- Surge current of 20kA
- Max Power 375W
- 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-50NX-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			375	Watts
375W @ 125MHz TO 220MHz				
125W @ 220MHz TO 700MHz				
50W @ 700MHz TO 1000MHz				
Surge Current			50	kA
IEC 61000-4-5 8/20µs WAVEFORM				
Turn On Voltage		600 20%		Volts
Throughput Energy			220	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:  
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### Mechanical Specifications

Width/Diameter	1.75 in [44.45 mm]
Height	1.5 in [38.1 mm]
Weight	0.35 lbs [158.76 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 up to 100Hz

### Compliance Certifications

CE Compliant	Yes
UL	UL497E

### Plotted and Other Data

Notes:

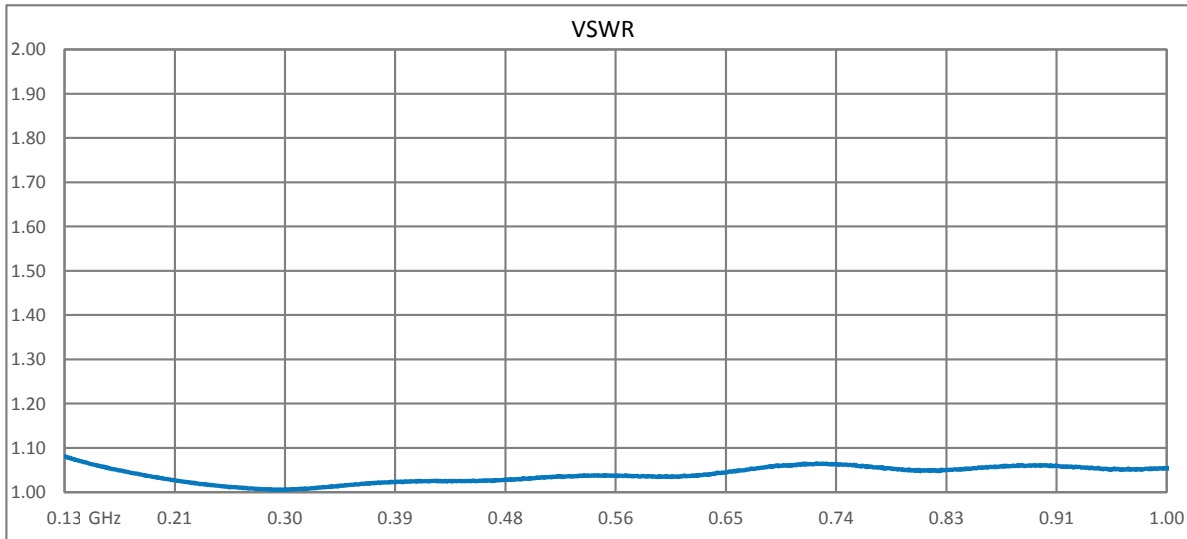
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### Typical Performance Data

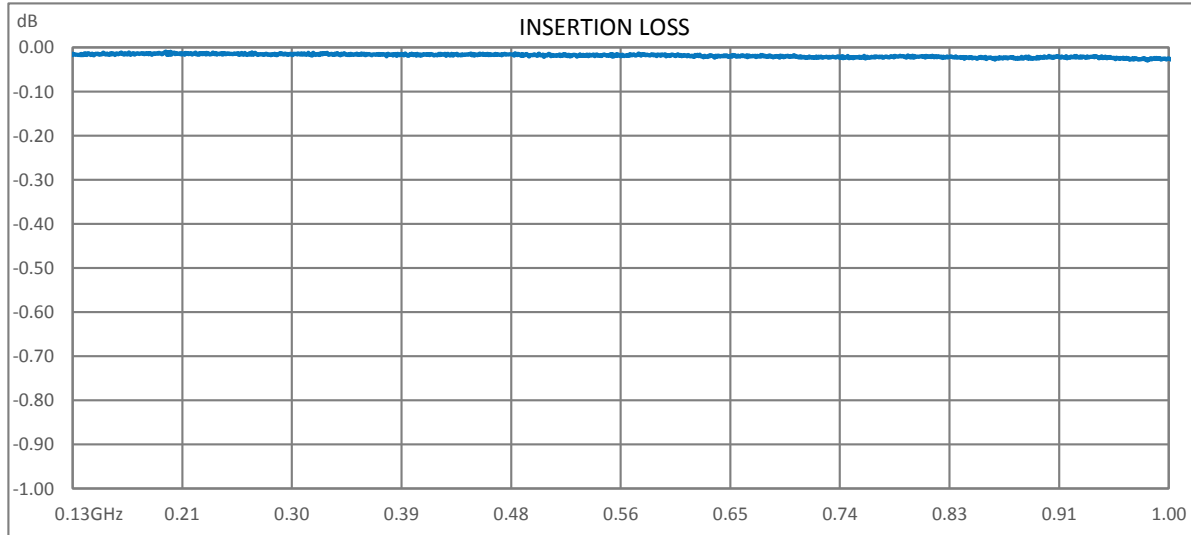


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PolyPhaser protects and increases the reliability of global RF communications networks, including transportation, telecommunications, defense, security and industrial applications, with superior RF surge protection technologies including DC Block,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

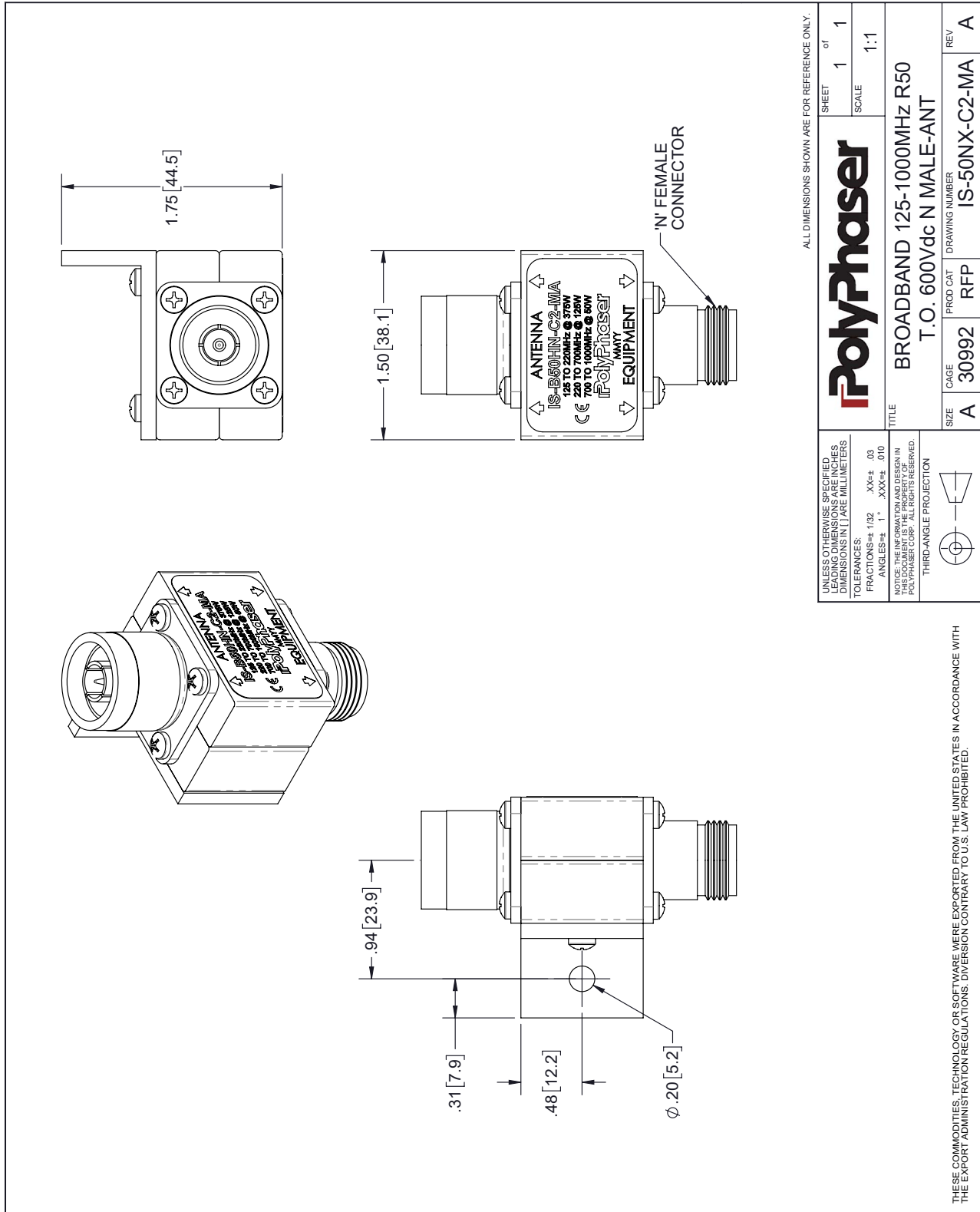
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URL: <https://www.polyphaser.com/type-n-surge-protector-1ghz-blocking-cap-gas-tube-is-50nx-c2-ma-p.aspx>

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IS-50NX-C2-MA CAD Drawing



ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

<p>UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE INCHES. DIMENSIONS IN [ ] ARE MILLIMETERS.</p> <p>TOLERANCES: FRACTIONS: ± 1/32 .XX± .03 ANGLES: 1° .XXX± .010</p> <p>THIRD-ANGLE PROJECTION</p>		<p>SHEET 1 of 1</p> <p>SCALE 1:1</p>	
<p><b>PolyPhaser</b></p>		<p>PROD CAT RFP</p>	
<p>TITLE BROADBAND 125-1000MHZ R50 T.O. 600Vdc N MALE-ANT</p>		<p>SIZE A</p>	
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