

Type N F/F Coaxial RF Surge Protector, 40MHz - 400MHz, 100W, IP67, 60 V Max., 2.5mJ, 20kA, Hybrid, Bracket Down, Hole Mount



BGXZ-60NFNF-ALT

Features

- Surge current of 20kA
- Max Power 100W
- Frequency range from 40 to 400 MHz
- N-type female connectors
- Waterproof IP67 rated
- DC Pass
- VSWR <1.1:1
- Low insertion loss
- CE & RoHS compliant

Applications

- GPS systems
- Active antenna systems

Description

RF surge protector (also known as lightning arrester or surge arrestor) BGXZ-60NFNF-ALT from PolyPhaser, utilizes a patented hybrid protection technology integrating a silicon avalanche suppression diode (SASD), a Metal Oxide Varistor (MOV) and 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		Hybrid DC Pass		
Description	Minimum	Typical	Maximum	Units
Frequency Range	1.75		400	MHz
Impedance		50		Ohms
VSWR			1.1:1	
Return Loss		26	14	dB
Insertion Loss		0.25	0.4	dB
Operating Voltage (DC)			60	Volts
Input Power, CW			100	Watts
Surge Current IEC 61000-4-5 8/20µs Waveform			20	kA
Turn On Voltage		66		Volts
Throughput Energy FOR 3kA @ 8/20µs WAVEFORM			2.5	mJ

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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Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	1.75 to 5	5 to 25	40 to 400			MHz
VSWR, Max	1.5:1	1.1:1	1.1:1			
Return Loss, Max	14	26	26			dB
Insertion Loss, Max	0.4	0.25	0.25			dB

Mechanical Specifications

Size

Length	3.65 in [92.71 mm]
Width/Diameter	1.74 in [44.2 mm]
Weight	1 lbs [453.59 g]

Configuration

Input Connector	N Female
Output Connector	N Female

Environmental Specifications

Temperature

Operating Range	-50 to +85 deg C
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Ingress Protection (IP) Rating	IP67
Humidity	95%

Compliance Certifications

CE

Plotted and Other Data

Notes:

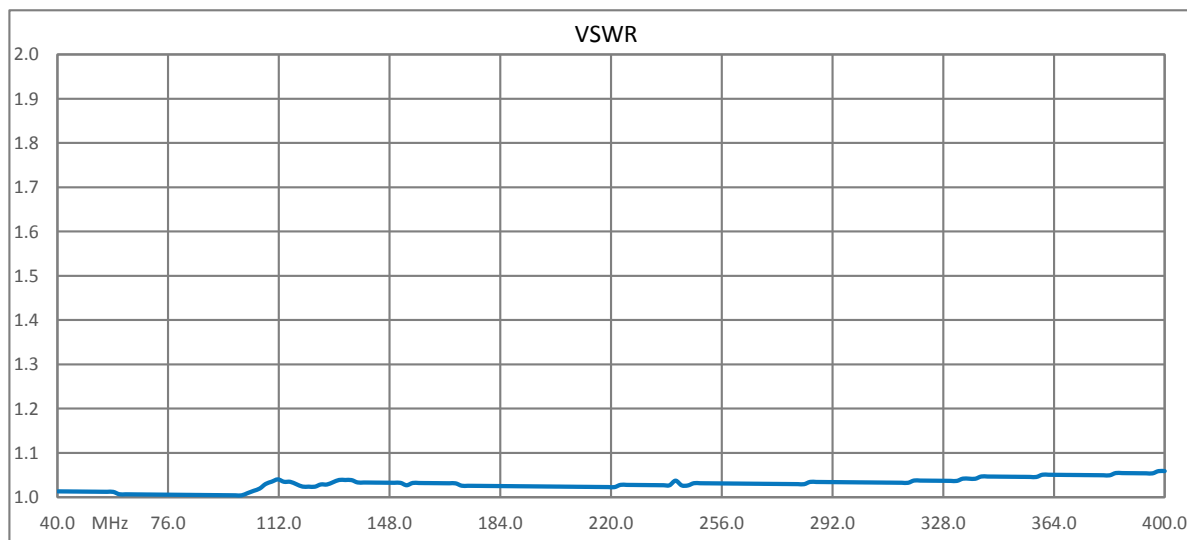
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Typical Performance Data

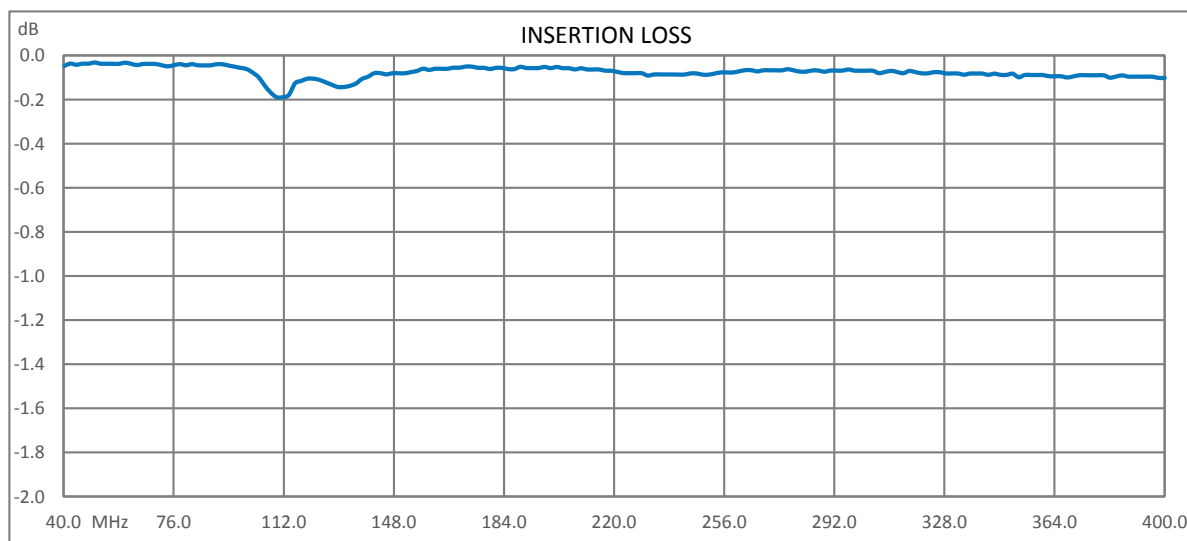


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PolyPhaser protects and increases the reliability of global RF communications networks, including transportation, telecommunications, defense, security and industrial applications, with superior RF surge protection technologies including DC Block,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

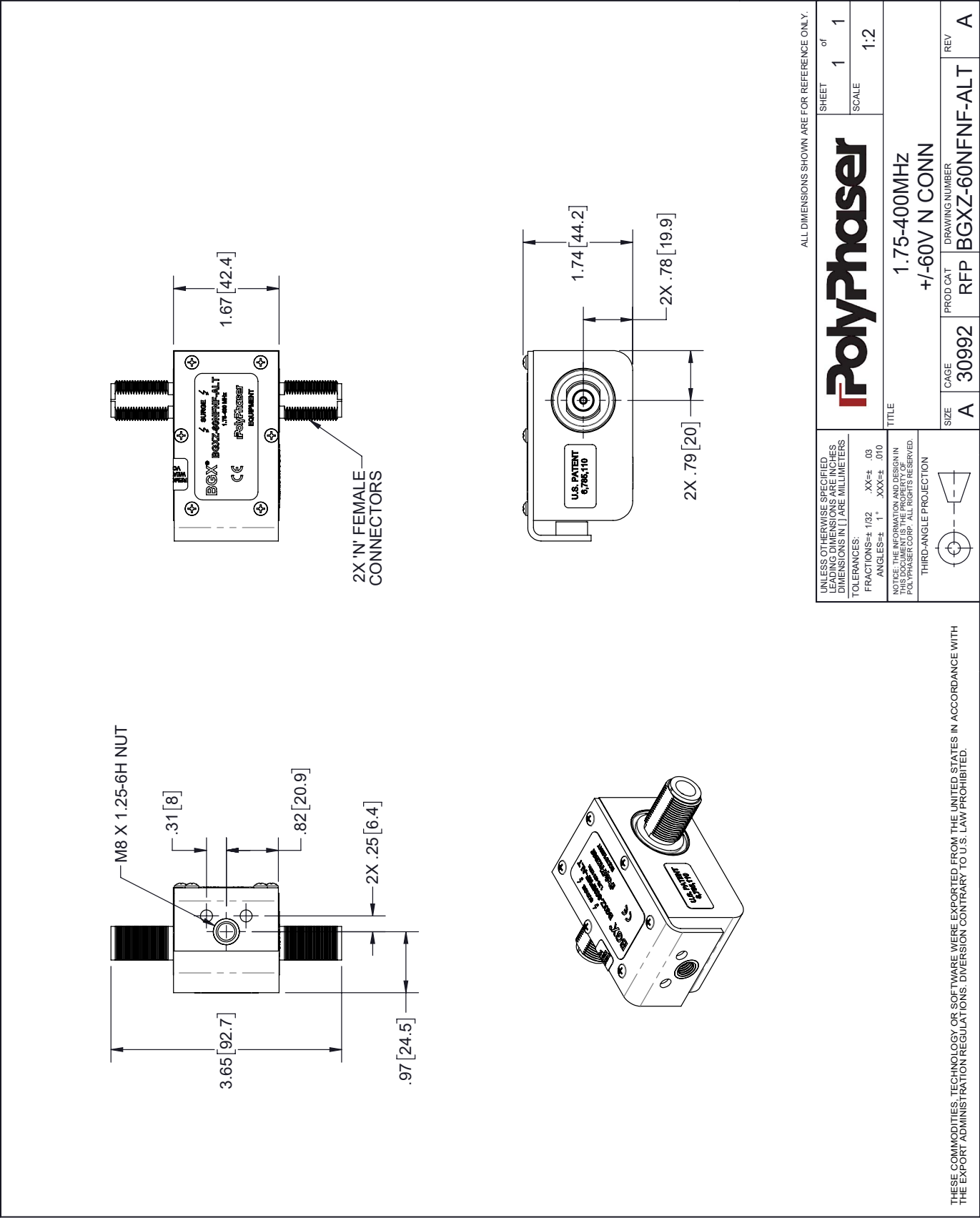
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URL: <https://www.polyphaser.com/type-n-surge-protector-400mhz-hybrid-bgxz-60nfnf-alt-p.aspx>

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BGXZ-60NFNF-ALT CAD Drawing



UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE IN INCHES. DIMENSIONS IN [] ARE MILLIMETERS.		SHEET 1 of 1	
TOLERANCES: FRACTIONS: ± 1/32 XX±.03 ANGLES: ± 1° .XXX±.010		SCALE 1:2	
NOTE: INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF POLYPHASER CORP. ALL RIGHTS RESERVED.		TITLE 1.75-400MHz +/-60V N CONN	
THIRD-ANGLE PROJECTION		DRAWING NUMBER BGXZ-60NFNF-ALT	
SIZE A		REV A	
CAGE 30992		PROD CAT RFP	

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

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