

Type N F/M Coaxial RF Surge Protector, 5MHz - 400MHz, 40W, IP67, -60 V Max., 1mJ, 3kA, Hybrid, Bracket Down, Stud



BGXZ-60NFNM-AS

Features

- Surge current of 3kA
- Max Power 40W
- Frequency range from 5 to 400 MHz
- N Female to N Male connectors
- Waterproof IP67 rated
- DC Pass
- VSWR <1.2:1
- CE & RoHS compliant
- Directional

Applications

- WiFi
- GPS
- Land mobile radio

Description

RF surge protector (also known as lightning arrester or surge arrestor) BGXZ-60NFNM-AS 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 | 5 | | 400 | MHz |
| Impedance | | 50 | | Ohms |
| VSWR | | | 1.1:1 | |
| Insertion Loss | | | 0.4 | dB |
| Operating Voltage (DC) | | | -60 | Volts |
| Input Power, CW | | | 40 | Watts |
| Surge Current IEC 61000-4-5 8/20µs waveform | | | 3 | kA |
| Turn On Voltage | | -66 | | Volts |
| Throughput Energy for 3kA, 8/20µs waveform | | | 1 | 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 | 0.005 to 0.01 | 0.01 to 0.05 | 0.05 to 0.4 | | | GHz |
| VSWR, Typ | 2.6:1 | 1.1:1 | 1.1:1 | | | |
| Insertion Loss, Max | 2 | 0.4 | 0.4 | | | dB |

Mechanical Specifications

Weight 0.7 lbs [317.51 g]

Configuration

Input Connector N Female
Output Connector N Male

Environmental Specifications

Temperature

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

Ingress Protection (IP) Rating IP67
Humidity 95%

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

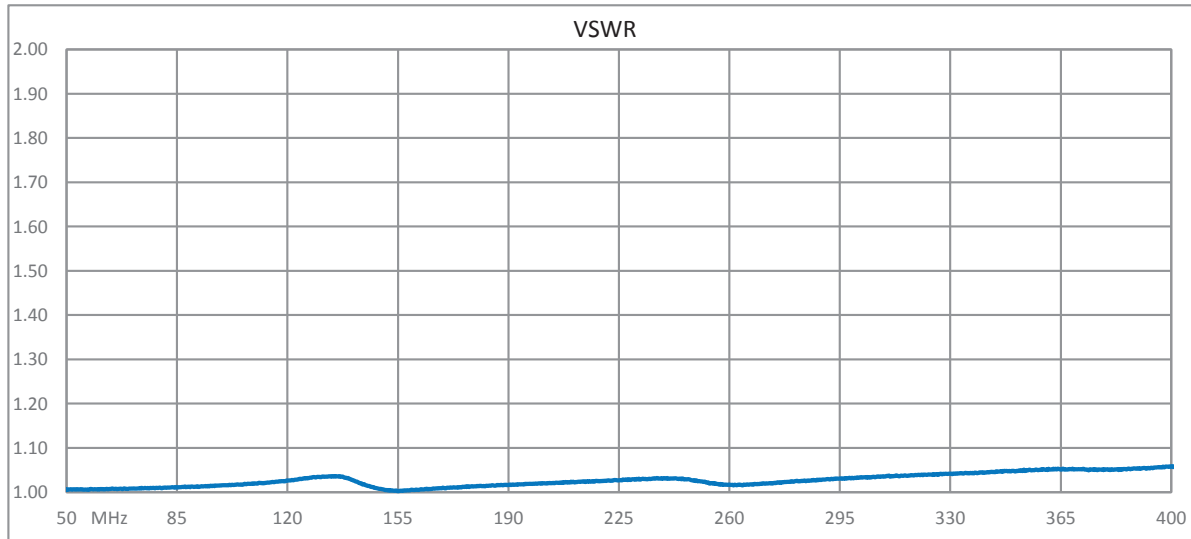
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Typical Performance Data



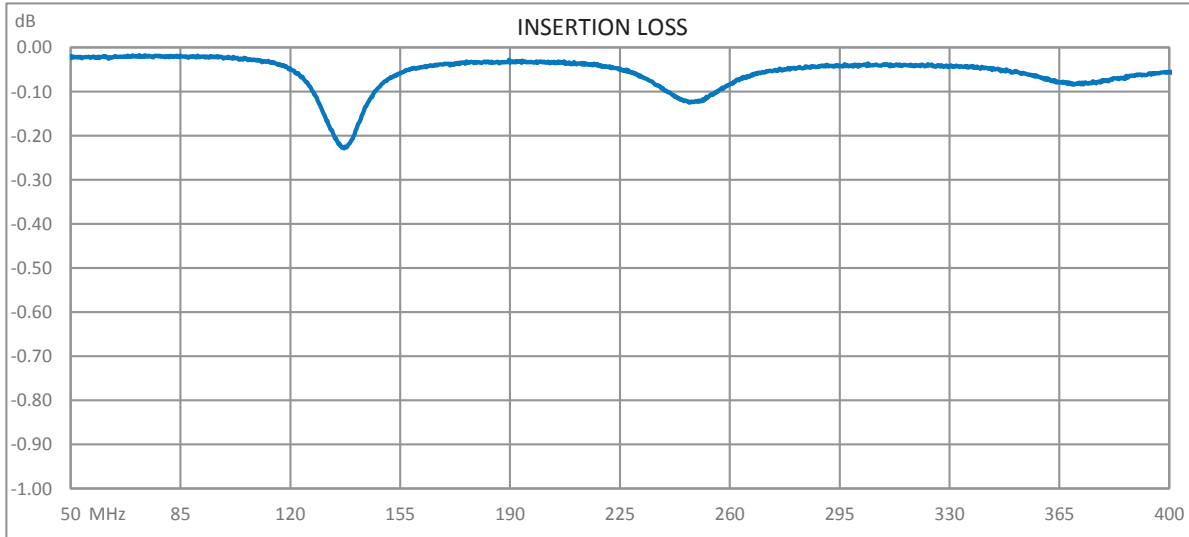
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PolyPhaser protects and increases the reliability of global RF communications networks, including transportation, telecommunications, defense, security and industrial applications, with superior RF surge protection technologies including DC Block, 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-50mhz-hybrid-stud-bgxz-60nfnm-as>

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BGXZ-60NFM-AS CAD Drawing

