

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	4.5		400	MHz
Impedance		50		Ohms
VSWR			2.6:1	
Return Loss		10	7	dB
Insertion Loss		0.4	2	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	4.5 to 5.5	10	50 to 400			MHz
VSWR, Max	2:1	2.6:1				
Return Loss, Max	10	7				dB
Insertion Loss, Max	2	2	0.4			dB

### Mechanical Specifications

Weight	0.7 lbs [317.51 g]
<b>Configuration</b>	
Input Connector	N Female
Output Connector	N Male

### Environmental Specifications

<b>Temperature</b>	
Operating Range	-50 to +85 deg C
Storage Range	-50 to +85 deg C
<b>Ingress Protection (IP) Rating</b>	IP67
Humidity	95%

### Compliance Certifications

RoHS  
CE

### Plotted and Other Data

Notes:

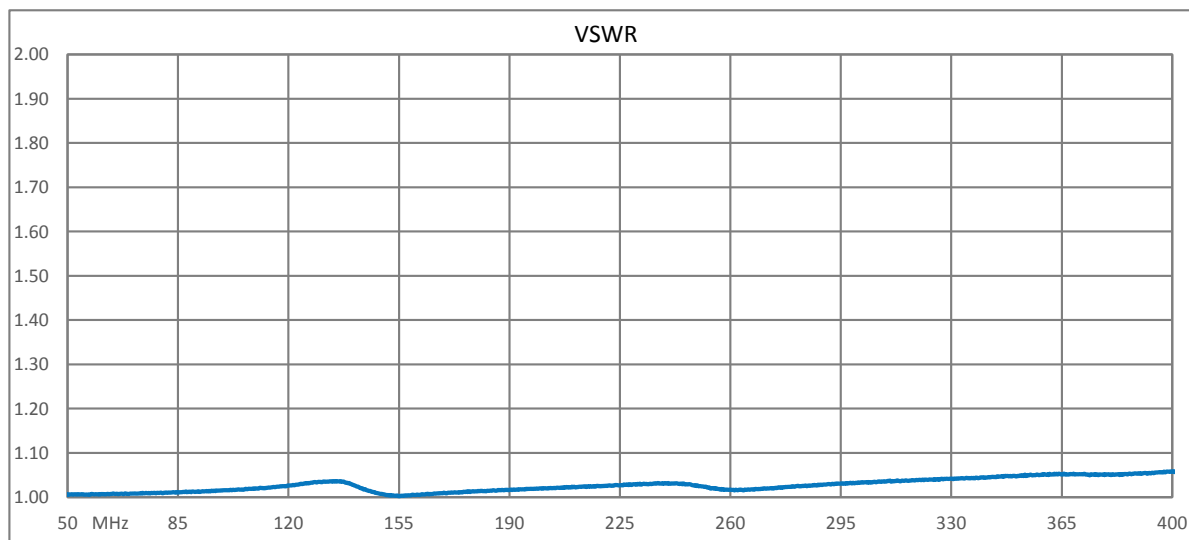
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### Typical Performance Data

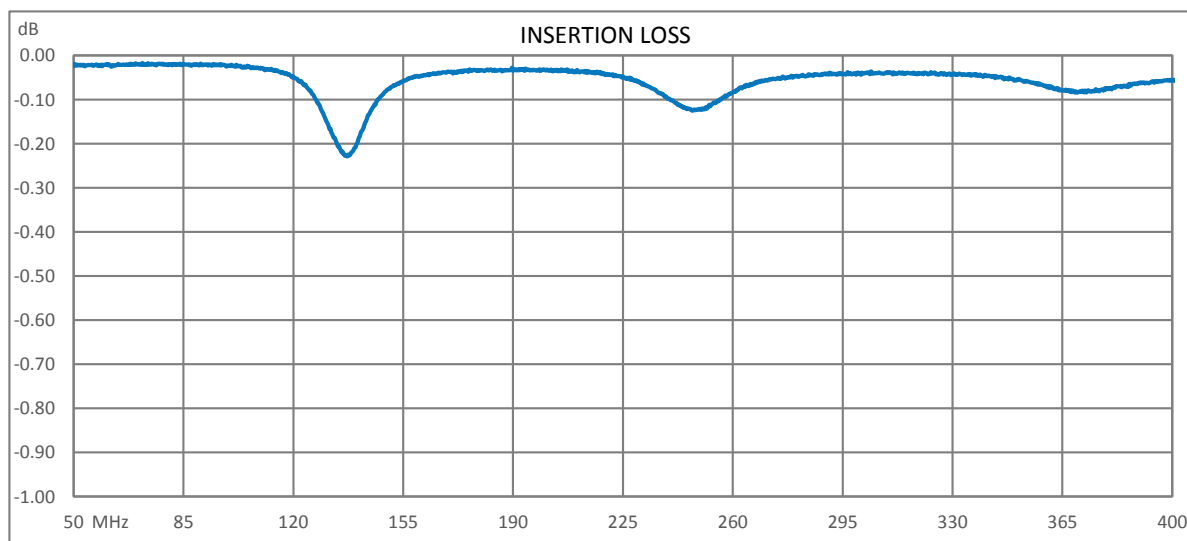


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PolyPhaser protects and increases the reliability of global RF communications networks, including transportation, telecommunications, defense, security and industrial applications, with superior RF surge protection technologies including DC Block, 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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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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BGXZ-60NFMN-AS CAD Drawing

