

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



BGXZ-60NFNF-CNS

Features

- Surge current of 20kA
- Max Power 100W
- Frequency range from 40 to 400MHz
- 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 arrester) BGXZ-60NFNF-CNS 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	Hybrid		
DC Handling	DC Pass		
Description	Minimum	Typical	
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	20		kA
IEC 61000-4-5 8/20µs WAVEFORM			
Turn On Voltage	66		Volts
Throughput Energy	2.5		mJ
FOR 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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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]
Height	3.01 in [76.45 mm]
Weight	0.95 lbs [430.91 g]

Configuration

Input Connector	N Female
Output Connector	N Female

Environmental Specifications

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

Compliance Certifications

CE

Plotted and Other Data

Notes:

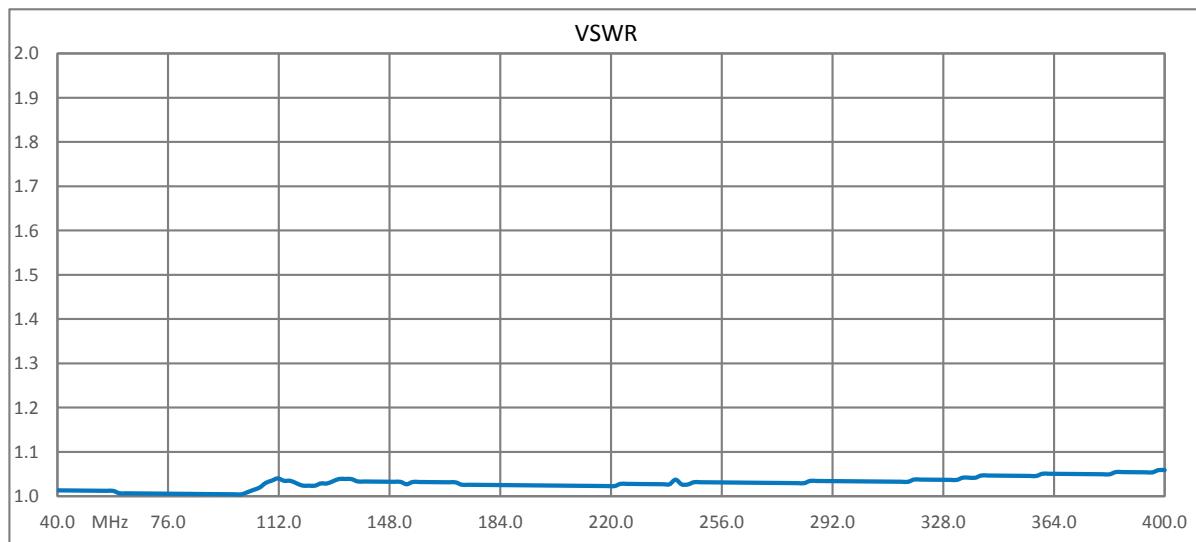
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Typical Performance Data

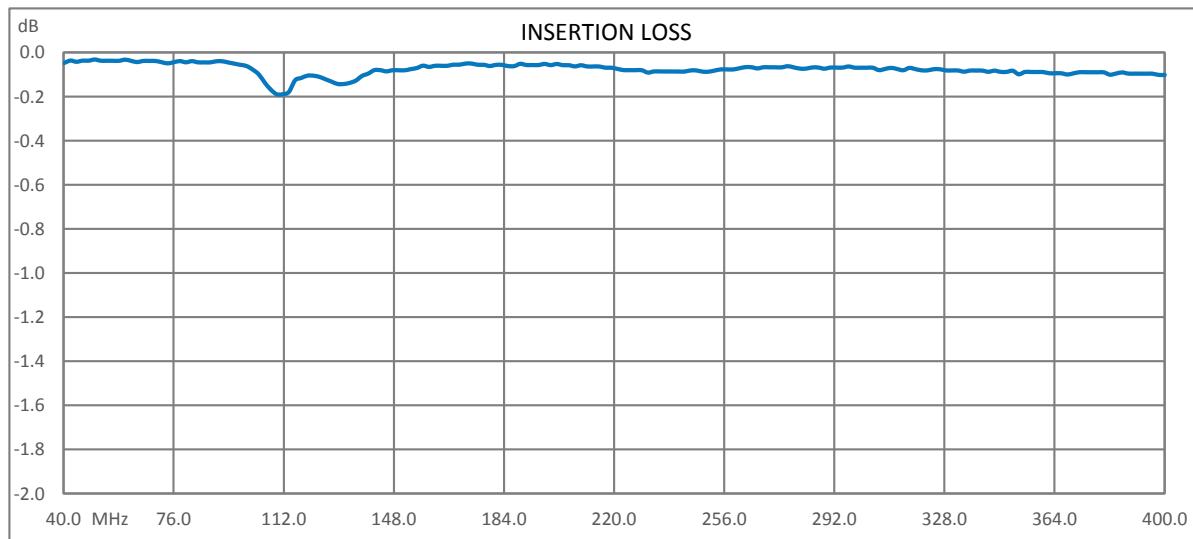


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PolyPhaser protects and increases the reliability of global RF communications networks, including transportation, telecommunications, defense, security and industrial applications, with superior RF surge protection technologies including DC Block, 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-stud-bgxz-60nfnf-cns-p.aspx>

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-60NFNF-CNS CAD Drawing

