

Type N M/F Coaxial RF Surge Protector, 400MHz - 1.2GHz, 300W, IP67, 36 V Max., 1mJ, 20kA, Hybrid, Bracket Down, Hole Mount



## CGXZ+36NMNF-A

### Features

- Surge current of 20kA
- Max Power 300W
- Frequency range from 400 MHz to 1.2 GHz
- Waterproof IP67 rated
- N Male to N Female connectors
- DC Pass
- VSWR <1.1:1
- Low insertion loss
- CE & RoHS compliant
- Directional

### Applications

- WiFi
- GPS
- Land mobile radio

### Description

RF surge protector (also known as lightning arrester or surge arrestor) CGXZ+36NMNF-A from PolyPhaser, utilizing 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	0.4	1.2	GHz
Impedance	50		Ohms
VSWR		1.1:1	
Insertion Loss		0.1	dB
Operating Voltage (DC)		36	Volts
Input Power, CW		300	Watts
Surge Current		20	kA
IEC 61000-4-5 8/20 $\mu$ s waveform			
Turn On Voltage	40		Volts
Throughput Energy		1	mJ
for 3kA, 8/20 $\mu$ s 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

Weight 1 lbs [453.59 g]

#### Configuration

Input Connector N Male  
Output Connector N Female

### Environmental Specifications

#### Temperature

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

Ingress Protection (IP) Rating IP67  
Humidity 95%

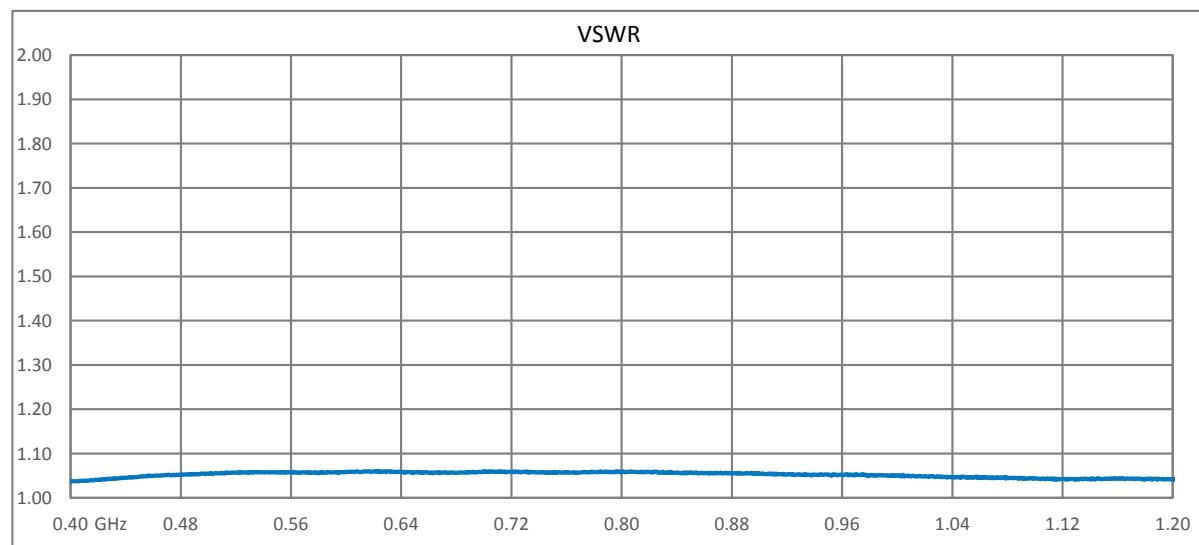
### Compliance Certifications

CE

### Plotted and Other Data

Notes:

### Typical Performance Data

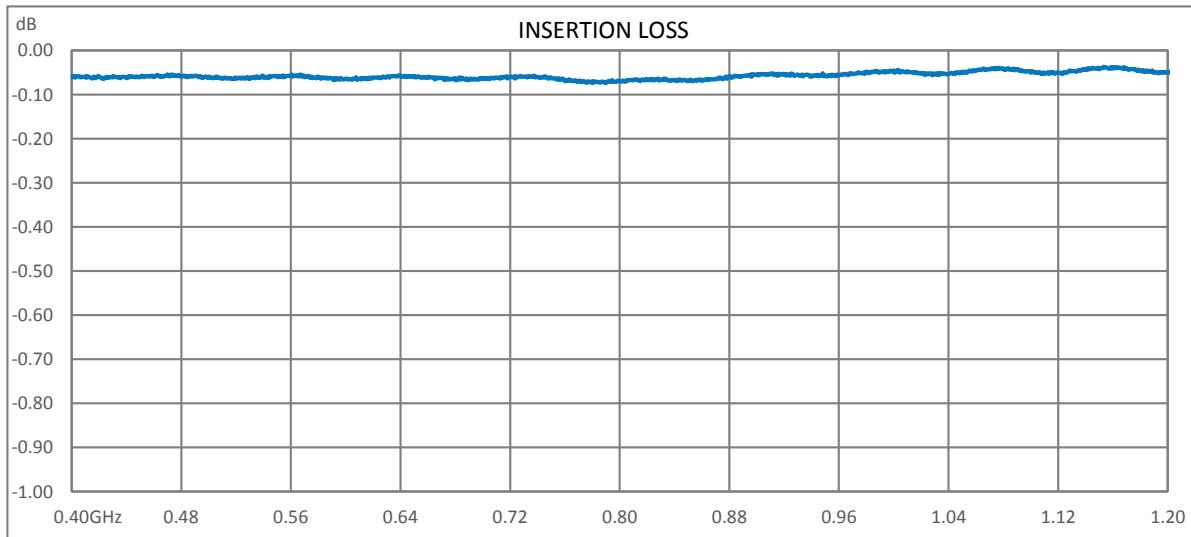


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PolyPhaser protects and increases the reliability of global RF communications networks, including transportation, telecommunications, defense, security and industrial applications, with superior RF surge protection technologies including DC Block, 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-1.2ghz-hybrid-cgxz-36nmnf-a-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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**CGXZ+36NMNF-A CAD Drawing**

