

Type N M/F Bulkhead Coaxial RF Surge Protector, 550MHz - 2700MHz,
DC Pass, 6V, IP67, 20kA, Hybrid, Bracket Up, Hole Mount



DGXR+06NMNF-Z

Features

- Surge Current of 20kA
- Max Power 300W
- Frequency Range from 550MHz to 2700MHz
- N Male to N Female connectors
- VSWR 1.1:1
- Multi-strike capability
- Mounting bracket attached
- CE & RoHS compliant

Applications

- WiFi
- GPS
- Land mobile radio
- Cellular

Description

RF surge protector (also known as lightning arrester) DGXR+06NMNF-Z from PolyPhaser, utilizing a patented hybrid protection technology integrating a silicon avalanche suppression diode (SASD) and a MOV and gas tube, enables a quick response to a lightning surge to protect critical hardware while maintaining the RF performance. 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 | 0.55 | | 2.7 | GHz |
| Impedance | | 50 | | Ohms |
| VSWR | | | 1.1:1 | |
| Insertion Loss | | | 0.1 | dB |
| Operating Voltage (DC) | | | 6 | Volts |
| Operating Current (DC) | | | 4 | A |
| Input Power, CW | | | 300 | Watts |
| Surge Current | | | 20 | kA |
| Turn On Voltage | | 6.5 | | Volts |
| Throughput Energy | | | 175 | uJ |

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

Size

| | |
|------------------------------|--------------------|
| Length | 3.28 in [83.31 mm] |
| Width/Diameter | 1.33 in [33.78 mm] |
| Height | 2.84 in [72.14 mm] |
| Housing Material and Plating | Aluminum |

Configuration

| | |
|------------------|----------|
| Input Connector | N Male |
| Output Connector | N Female |

Environmental Specifications

Temperature

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

Ingress Protection (IP) Rating

IP67

Humidity

95%

Compliance Certifications

| | |
|--------------|-----|
| CE Compliant | Yes |
|--------------|-----|

Plotted and Other Data

Notes:

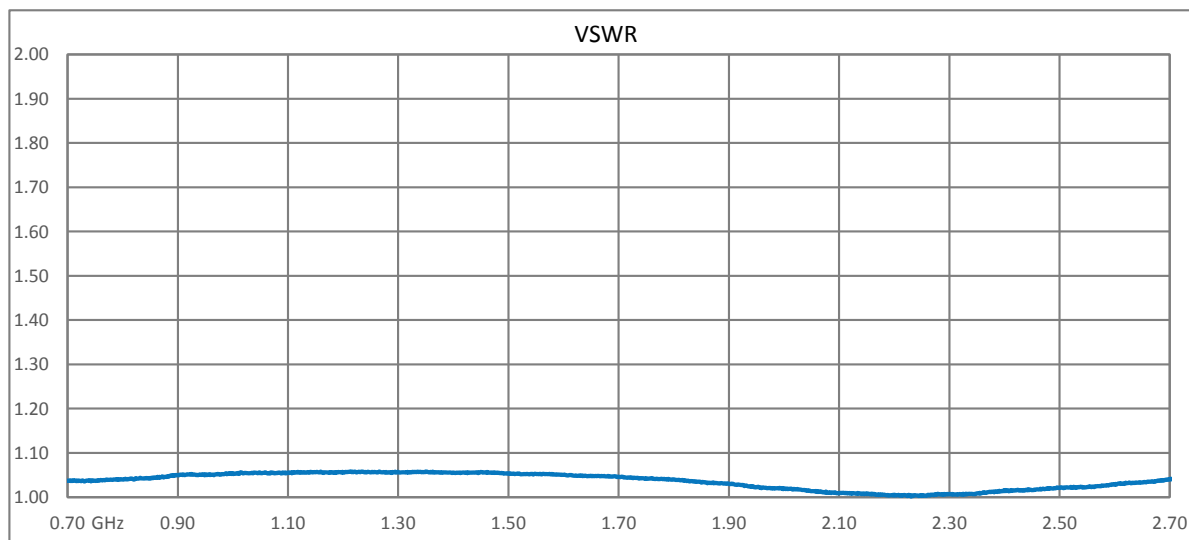
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Typical Performance Data

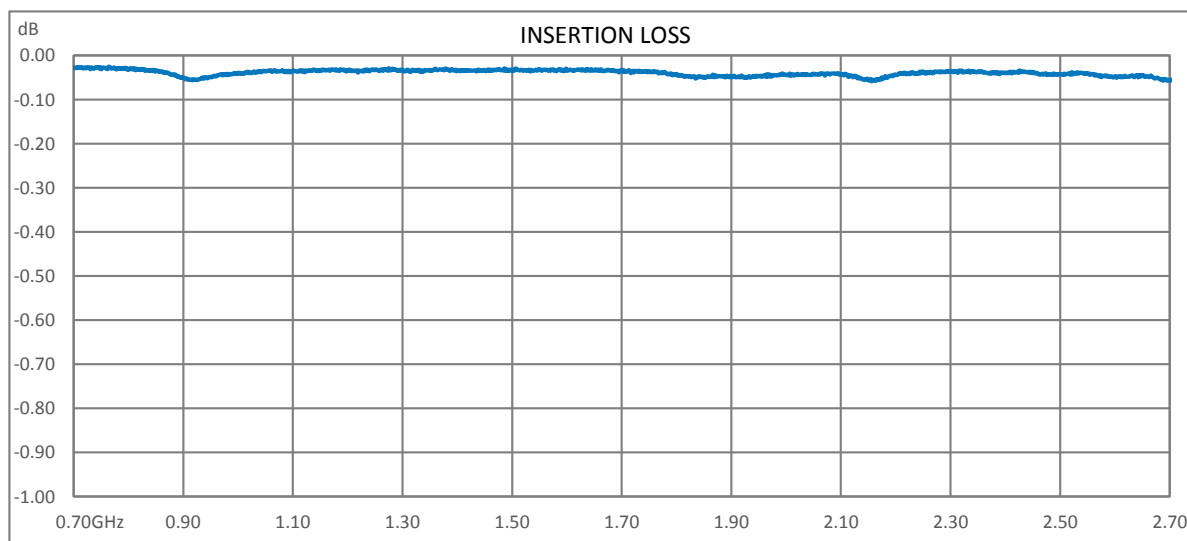


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PolyPhaser protects and increases the reliability of global RF communications networks, including transportation, telecommunications, defense, security and industrial applications, with superior RF surge protection technologies including DC Block,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

DGXR+06NMNF-Z CAD Drawing

T-Rev.D