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TECHNOLOGY GROUP

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Full-service, independent repair center
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so your equipment works exactly as you specify.

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PolyPhaser

Type N F/F Coaxial RF Surge Protector, 800MHz - 2.5GHz, 300W, IP67, 6 V Max., 175uJ, 20kA, Hybrid, Bracket Down, Hole Mount



DGXZ+06NFNF-A

Features

- Surge current of 20kA
- Max Power 300W
- Frequency range from 800 MHz to 2.5GHz
- N-type Female connectors
- Waterproof IP67 rated
- DC Pass
- VSWR <1.1:1
- Low insertion loss
- CE & RoHS compliant
- Directional

Applications

- GPS systems
- Active antenna systems
- Cellular communications systems

Description

RF surge protector (also known as lightning arrester) DGXZ+06NFNF-A 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	Hybrid
DC Handling	DC Pass

Description	Minimum	Typical	Maximum	Units
Frequency Range	0.8		2.5	GHz
Impedance		50		Ohms
VSWR			1.1:1	
Insertion Loss			0.1	dB
Operating Voltage (DC)			6	Volts
Input Power, CW			300	Watts
Surge Current IEC 61000-4-5 8/20µs Waveform			20	kA
Turn On Voltage		6.5		Volts
Throughput Energy FOR 3kA @ 8/20µs WAVEFORM			175	uJ

Click the following link (or enter part number in “SEARCH” on website) to obtain additional part information including price, inventory and certifications:
Type N F/F Coaxial RF Surge Protector, 800MHz - 2.5GHz, 300W, IP67, 6 V Max., 175uJ, 20kA, Hybrid, Bracket Down, Hole Mount DGXZ+06NFNF-A

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Mechanical Specifications

Size

Length	3.65 in [92.71 mm]
Width/Diameter	1.42 in [36.07 mm]
Height	2.83 in [71.88 mm]
Weight	0.29762 lbs [135 g]

Configuration

Input Connector	N Female
Output Connector	N Female

Environmental Specifications

Temperature

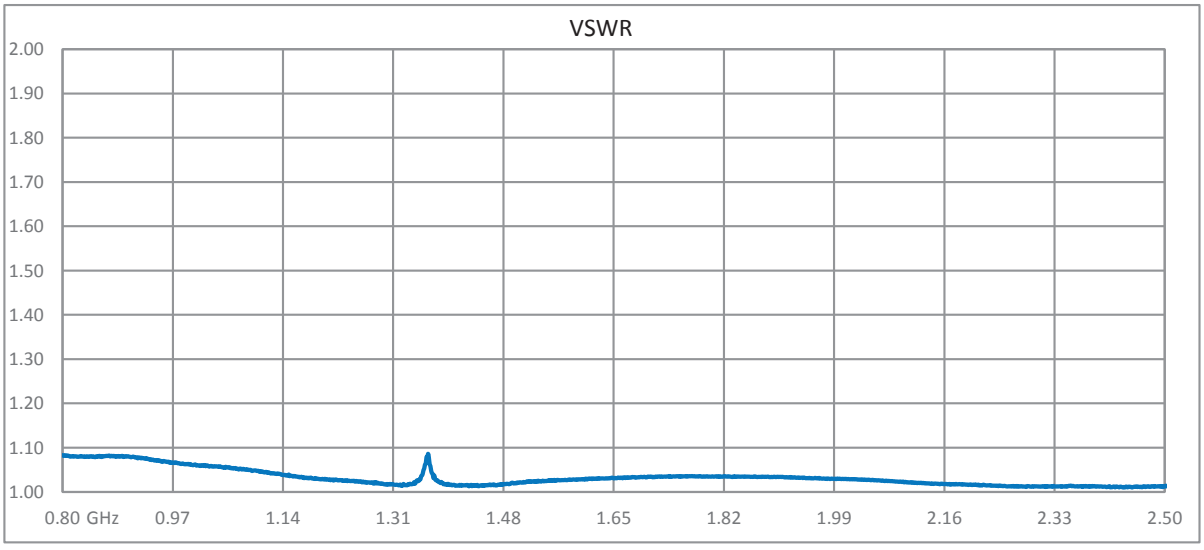
Operating Range	-50 to 85 deg C
Ingress Protection (IP) Rating	IP67
Humidity	95%

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

Typical Performance Data



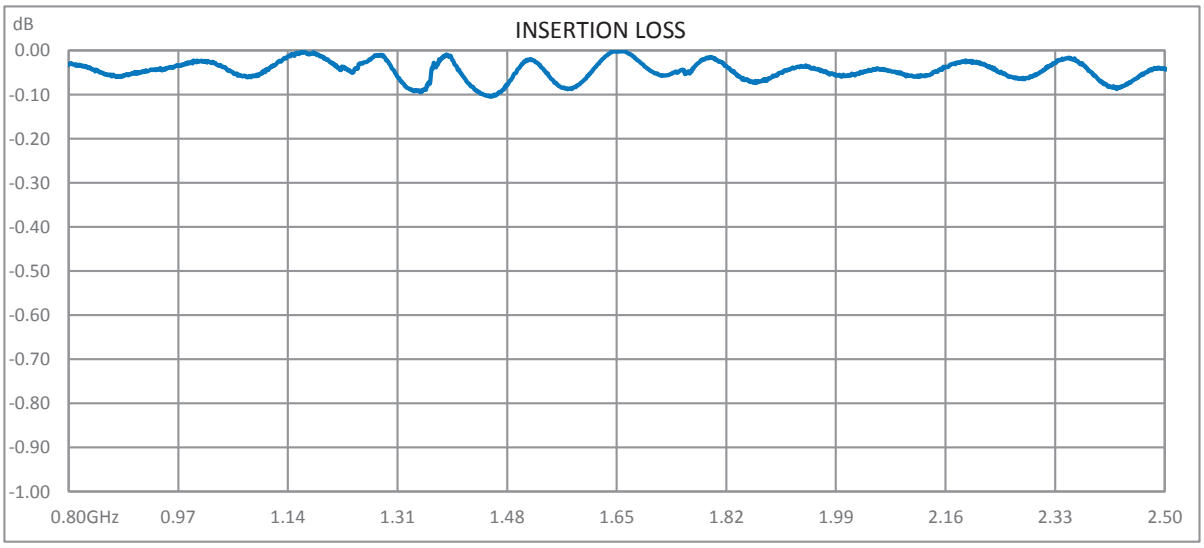
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PolyPhaser protects and increases the reliability of global RF communications networks, including transportation, telecommunications, defense, security and industrial applications, with superior RF surge protection technologies including DC Block,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

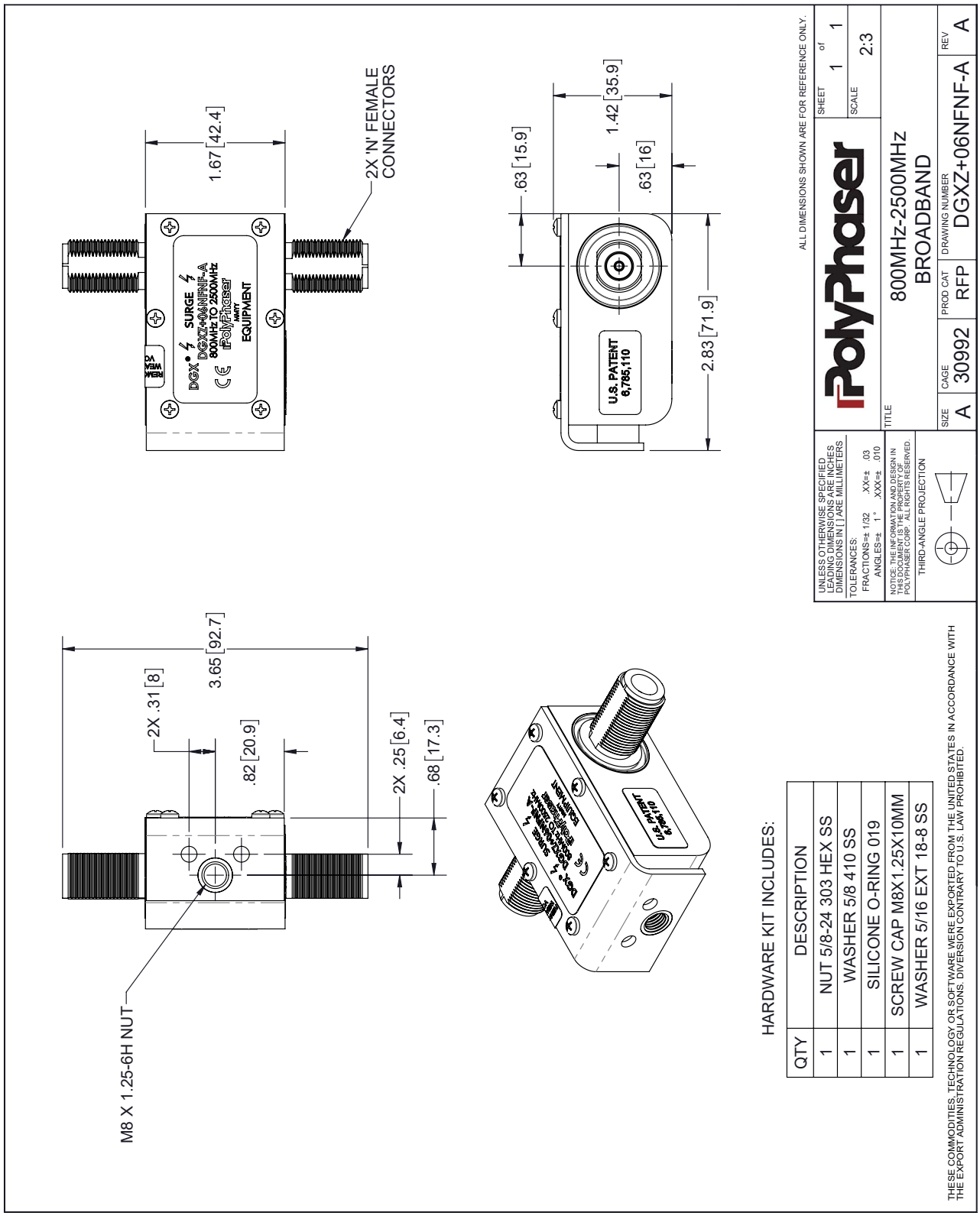
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URL: https://www.polyphaser.com/type-n-surge-protector-2.5ghz-hybrid-dgxz-06nfnf-a

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DGXZ+06NFNF-A CAD Drawing



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