

Type N F/M Bulkhead Coaxial RF Surge Protector, 1.2GHz - 1.6GHz, 10W, IP67, 6 V Max., 175uJ, 15kA, Avalanche Diode



GPS+06NFM

Features

- Surge current 15kA max
- Max Power 10W
- Frequency Range from 1.2 to 1.6 GHz
- N-Type Female connector surge side, N-Type Male connector protected side
- Waterproof IP67 rated
- VSWR Max 1.2:1
- Insertion loss Max 0.1dB

Description

RF surge protector (also known as lightning arrester or surge arrestor) GPS+06NFM from PolyPhaser, uses a fast acting silicon avalanche suppression diode (SASD). This RF surge protector component is manufactured in a coaxial in-line design with a narrow operating frequency range. All PolyPhaser RF surge protector products are available in stock with same day shipping.

Electrical Specifications

Surge Protector Type DC Handling	Avalanche Diode DC Pass			
Description	Minimum	Typical	Maximum	Units
Frequency Range	1.2		1.6	GHz
Impedance		50		Ohms
VSWR			1.2:1	
Insertion Loss			0.1	dB
Operating Voltage (DC)			6	Volts
Resistance (DC)			10	mOhms
Input Power, CW			10	Watts
Surge Current IEC 61000-4-5 8/20µs waveform multiple			15	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:
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Mechanical Specifications

Size

Length	3.22 in [81.79 mm]
Width/Diameter	1.3 in [33.02 mm]
Height	1.25 in [31.75 mm]
Weight	1 lbs [453.59 g]

Configuration

Input Connector	N Female
Output Connector	N Male

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 (see [product page](#) for current document)

Plotted and Other Data

Notes:

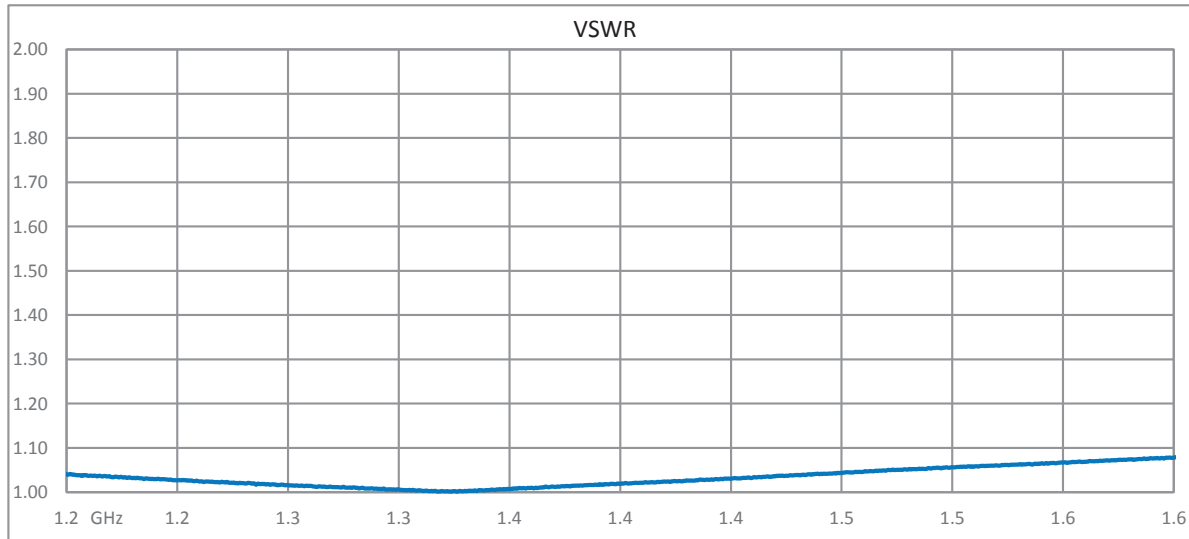
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Typical Performance Data



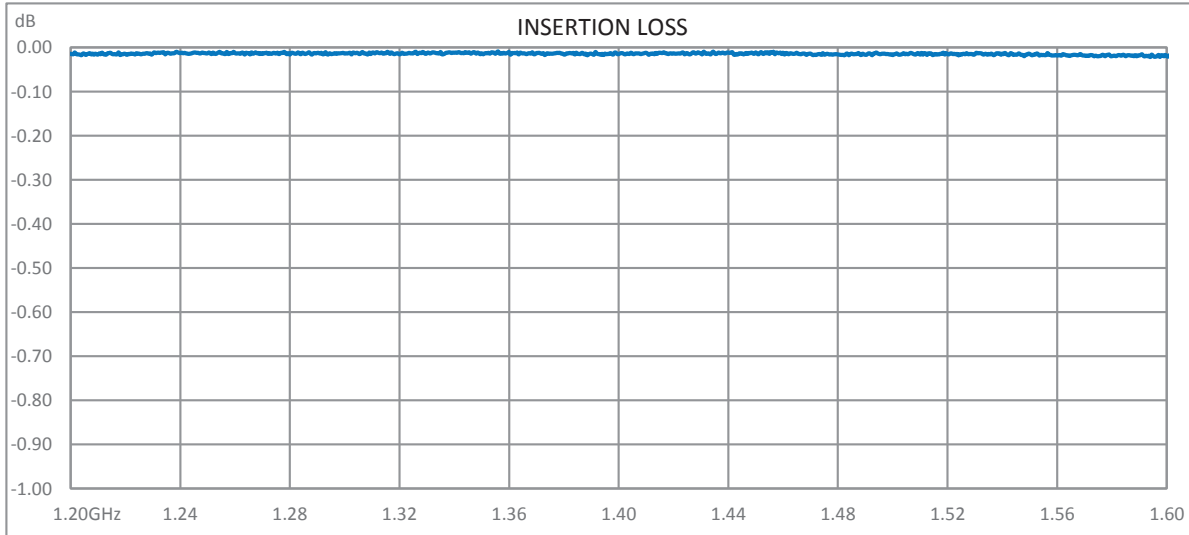
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PolyPhaser protects and increases the reliability of global RF communications networks, including transportation, telecommunications, defense, security and industrial applications, with superior RF surge protection technologies including DC Block, 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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GPS+06NFM CAD Drawing

