

7/16 M/F Coaxial RF Surge Protector, 800MHz - 2.5GHz, 500W, IP67, 48 V Max., 146uJ, 20kA, Hybrid, Bracket Down, Hole Mount



DGXH+48DMDF-A

Features

- Surge current of 20kA
- Max Power 500W
- Frequency range from 800 MHz to 2.5 GHz
- Waterproof IP67 rated
- 7/16 DIN Male to 7/16 DIN Female connectors
- DC Pass
- VSWR <1.1:1
- Low insertion loss
- CE & RoHS compliant
- Directional

Applications

- WiFi
- GPS
- Land mobile radio
- Cellular communications systems

Description

RF surge protector (also known as lightning arrester or surge arrestor) DGXH+48DMDF-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
DC Handling

Hybrid
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)			48	Volts
Input Power, CW			500	Watts
Surge Current IEC 61000-4-5 8/20µs waveform			20	kA
Turn On Voltage		73		Volts
Throughput Energy for 3kA, 8/20µs waveform			146	uJ

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [7/16 M/F Coaxial RF Surge Protector, 800MHz - 2.5GHz, 500W, IP67, 48 V Max., 146uJ, 20kA, Hybrid, Bracket Down, Hole Mount DGXH+48DMDF-A](#)

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Mechanical Specifications

Configuration

Input Connector	7/16 DIN Male
Output Connector	7/16 DIN 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 (see [product page](#) for current document)

Plotted and Other Data

Notes:

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.

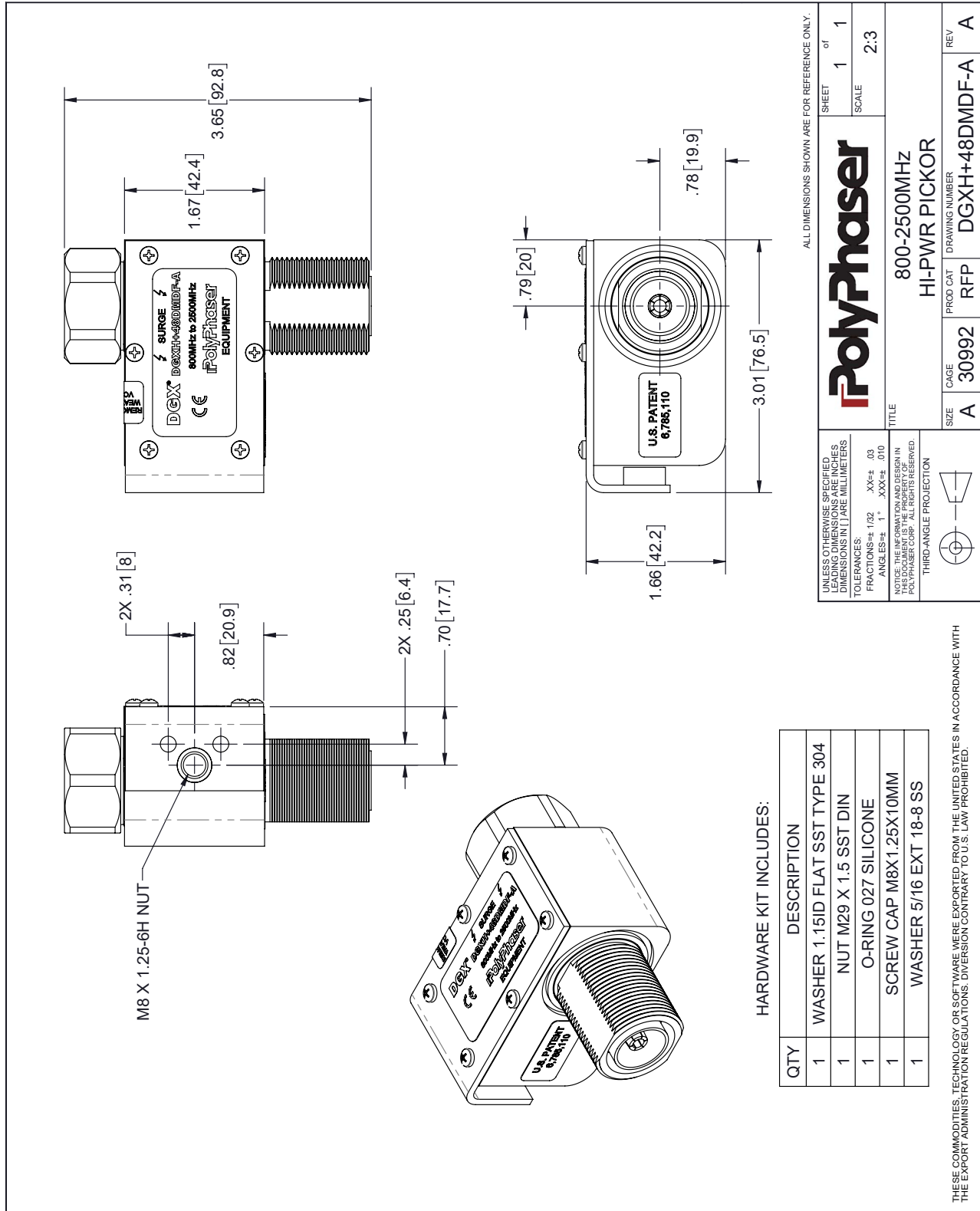
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URL: <https://www.polyphaser.com/7-16-din-surge-protector-2.5ghz-hybrid-dgxm-48dmdf-a>

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DGXH+48DMDF-A CAD Drawing



ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS	SHEET	1	of	1
	TOLERANCES:	SCALE		
FRACTIONS= 1/32 .XXF= .03	2:3			
ANGLES= 1° .XXX= .010	TITLE			
THIRD-ANGLE PROJECTION	800-2500MHZ			
	SIZE	CAGE	PROD CAT	DRAWING NUMBER
	A	30992	RFP	DGXH+48DMDF-A
				REV
				A

HARDWARE KIT INCLUDES:

QTY	DESCRIPTION
1	WASHER 1.15ID FLAT SST TYPE 304
1	NUT M29 X 1.5 SST DIN
1	O-RING 027 SILICONE
1	SCREW CAP M8X1.25X10MM
1	WASHER 5/16 EXT 18-8 SS

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