

Type 7/16 DIN M/F Coaxial RF Surge Protector, 80MHz - 200MHz, DC Block, 1000W, IP67, 15mJ, 20kA, Filter, Bracket Down, Hole Mount



VUF50DHP-MA

Features

- Surge current of 20kA
- Max Power 750W
- Frequency range from 0.5 MHz to 1 GHz VHF Band
- 7/16 DIN Male to 7/16 DIN Female connectors
- VSWR 1.1:1
- Waterproof IP67 rated
- DC Block
- Multi-strike capability
- CE & RoHS compliant

Applications

- Emergency response systems
- Public safety systems

Description

RF filter (also known as lightning arrester or surge arrester) VUF50DHP-MA from PolyPhaser, integrating a patented inductor designed for lightning surges and a RF blocking capacitor. 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	80		200	MHz
Impedance		50		Ohms
VSWR			1.1:1	
Insertion Loss			0.1	dB
Input Power, CW			1	kWatts
Surge Current IEC 61000-4-5 8/20µs Waveform			20	kA
Turn On Voltage		1,400	1,400	Volts
Throughput Energy FOR 3kA, 8/20us WAVEFORM			1.5	mJ

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:
[Type 7/16 DIN M/F Coaxial RF Surge Protector, 80MHz - 200MHz, DC Block, 1000W, IP67, 15mJ, 20kA, Filter, Bracket Down, Hole Mount VUF50DHP-MA](#)

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Mechanical Specifications

Size

Length	3.65 in [92.71 mm]
Width/Diameter	3.01 in [76.45 mm]
Height	1.75 in [44.45 mm]
Weight	0.95 lbs [430.91 g]

Configuration

Input Connector	7/16 DIN Male
Output Connector	7/16 DIN Female

Environmental Specifications

Temperature

Operating Range	-50 to +85 deg C
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Ingress Protection (IP) Rating

IP67

Humidity

TO 100% CONDENSING

Environmental Specification Notes:

MEETS BELLCORE #TA-NWT-000487 PROCEDURE 4.11, WIND DRIVEN (120 MPH) RAIN INTRUSION TEST

Compliance Certifications

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-surge-protector-200mhz-hybrid-vuf50dhp-ma-p.aspx>

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VUF50DHP-MA CAD Drawing

Dimensions:

- Top View: 1.67 [42.4] (width), 1.75 [44.5] (depth)
- Front View: 3.65 [92.8] (total height), .31 [8] (top flange height), .82 [20.9] (top flange diameter), .25 [6.4] (bottom flange height), .70 [17.7] (bottom flange diameter)
- Side View: 3.01 [76.5] (total height)

Labels: DIN MALE (SURGE), DIN FEMALE (PROTECTED), U.S. PATENT 6,786,110

Hardware Kit Includes:

QTY	DESCRIPTION
1	WASHER 1.15 ID FLAT SST TYPE 304
1	NUT M29 X 1.5 SST DIN
1	O-RING 025 SILICONE
1	SCREW CAP M8 X 1.25 X 10MM
1	WASHER 5/16 EXT 18-8 SS

UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS

TOLERANCES:

X = +.2	[.008]	FRACTIONS
.XX = +.02	[.51]	+1/32
.XXX = +.005	[.13]	ANGLES +1°

CABLE LENGTH (L) TOLERANCES:

L ≤ 12 [305]	±.1 [25]	/-0
12 [305] < L ≤ 60 [1524]	±.2 [51]	/-0
60 [1524] < L ≤ 120 [3048]	±.4 [102]	/-0
120 [3048] < L ≤ 300 [7620]	±.6 [152]	/-0
300 [7620] < L	±.6%L	/-0

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

THIRD-ANGLE PROJECTION

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SHEET 1 OF 1
SCALE 1:2

PolyPhaser
an INFINITE brand
10701 Airport Road, Hayden, Idaho 83835, USA
Phone: 1.208.635.6400 | 1.800.882.9110
Fax: 1.208.762.6133
Website: www.PolyPhaser.com
E-mail: CustomerService@PolyPhaser.com

SIZE A CAGE CODE A 30992 DRAWN BY DPM PART NUMBER VUF50DHP-MA REV A

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