

Type N M/F Coaxial RF Surge Protector, 0.5MHz - 1GHz, DC Block, 750W, IP67, 15mJ, 20kA, Filter, Bracket Down, Hole Mount

# VUF50NHP-MA

#### **Features**

- Surge current of 20kA
- Max Power 750W
- Frequency range from 0.5 MHz to 1 GHz VHF Band
- N Male to N Female connectors
- VSWR 1.1:1

### **Applications**

Emergency response systems

- Waterproof IP67 rated
- DC Block
- Multi-strike capability
- CE & RoHS compliant
- Public safety systems

### Description

RF filter (also known as lightning arrester or surge arrestor) VUF50NHP-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		Surge Filter DC Block		
Description	Minimum	Typical	Maximum	Units
Frequency Range	0.5		1,000	MHz
Impedance		50		Ohms
VSWR			1.1:1	
Insertion Loss			0.1	dB
Input Power, CW			750	Watts
Surge Current			20	kA
IEC 61000-4-5 8/20µs waveform				
Turn On Voltage		1,800		Volts
Throughput Energy			15	mJ
for 3kA @ 8/20µs waveform				

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: Type N M/F Coaxial RF Surge Protector, 0.5MHz - 1GHz, DC Block, 750W, IP67, 15mJ, 20kA, Filter, Bracket Down, Hole Mount VUF50NHP-MA





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### **Mechanical Specifications**

	Size	
	Length	3.01 in [76.45 mm]
	Width/Diameter	1.75 in [44.45 mm]
	Weight	0.8 lbs [362.87 g]
	Configuration	
	Input Connector	N Male
	Output Connector	N Female
En	vironmental Specifications	
	Temperature	
	Operating Range	-50 to +85 deg C
	Storage Range	-50 to +85 deg C
	Ingress Protection (IP) Rating	IP67
	Humidity	100% condensing

### **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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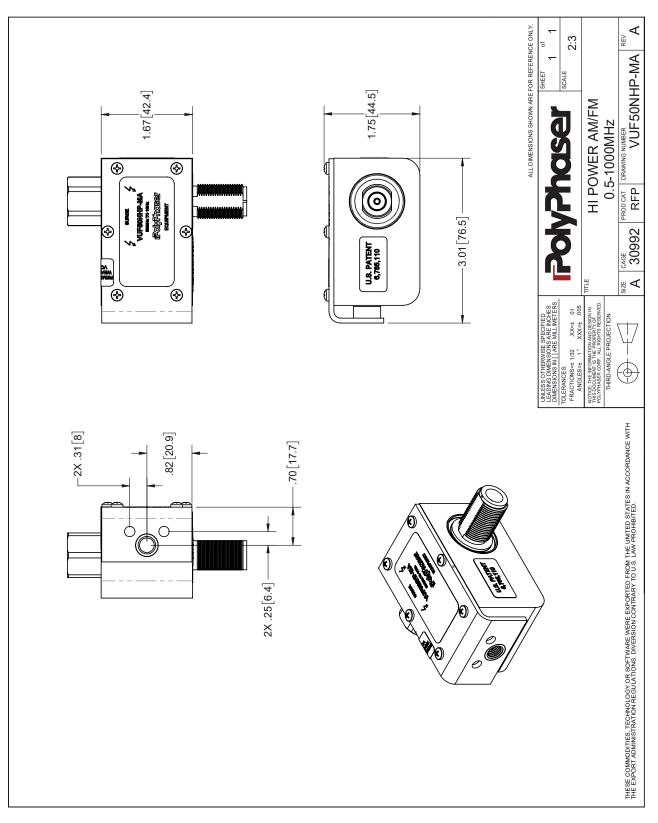
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## VUF50NHP-MA CAD Drawing



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