

Type N F/M Bulkhead Coaxial RF Surge Protector, DC - 1.0GHz, DC Pass, 60V, 100W, 4kA, Gas Tube



## 108-1118B-A

### Features

- Kit of 2x BGXZ-60NFM-AS with Hardware Kit
- Max Power 40W
- Frequency range from 5MHz to 400MHz
- N Female to N Male connectors
- Waterproof IP67 rated
- DC Pass
- VSWR <1.1:1 Typical
- Low insertion loss
- CE & RoHS compliant

### Applications

- WiFi
- GPS
- Land mobile radio

### Description

RF surge protector (also known as lightning arrester) 108-1118B-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	Gas Discharge Tube			
DC Handling	DC Pass			
Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		1,000	MHz
Impedance		50		Ohms
VSWR		1.1:1	1.2:1	
Insertion Loss			0.1	dB
Operating Voltage (DC)			60	Volts
Operating Current (DC)			6	A
Input Power, CW			100	Watts
Surge Current			4	kA
Turn On Voltage		70		Volts
Throughput Energy			500	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/M Bulkhead Coaxial RF Surge Protector, DC - 1.0GHz, DC Pass, 60V, 100W, 4kA, Gas Tube 108-1118B-A](#)

Type N F/M Bulkhead Coaxial RF Surge Protector, DC -  
1.0GHz, DC Pass, 60V, 100W, 4kA, Gas Tube



## 108-1118B-A

### Mechanical Specifications

#### Size

Length	2.8 in [71.12 mm]
Width/Diameter	1.2 in [30.48 mm]
Height	1.2 in [30.48 mm]
Weight	1 lbs [453.59 g]
Housing Material and Plating	Aluminum

#### Configuration

Input Connector	N Female
Output Connector	N Male

### Environmental Specifications

#### Temperature

Operating Range	-50 to +85 deg C
Ingress Protection (IP) Rating	IP67

Humidity	95%
----------	-----

### Compliance Certifications

RoHS Compliant	
CE Compliant	Yes

### 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.

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/M Bulkhead Coaxial RF Surge Protector, DC - 1.0GHz, DC Pass, 60V, 100W, 4kA, Gas Tube 108-1118B-A](#)

#### URL:

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.

108-1118B-A CAD Drawing

