

Type N F/F Bulkhead Coaxial RF Surge Protector,
DC - 1GHz, , IP67, 500uJ, 4kA, Filter



218-1118B-KIT

Features

- Surge current of 4kA
- Max Power 100W
- Frequency range from DC to 1.0GHz
- N-type Female to Female connectors
- Waterproof IP67 rated
- DC Pass
- VSWR 1.1:1 Typical
- Bidirectional

Applications

- HF, UHF and VHF radios
- Ham radios
- Remote industrial monitoring

Description

RF surge protector (also known as lightning arrester or surge arrester) 218-1118B-KIT from PolyPhaser, utilizing 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 | | Gas Discharge Tube | | |
|---|---------|--------------------|---------|-------|
| 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 |
| Resistance (DC) | | 0.02 | | Ohms |
| Surge Current | | | 4 | kA |
| IEC 61000-4-5 8/20us WAVEFORM, DIRECT INJECTION BOTH POLARITIES | | | | |
| Turn On Voltage | | ±20% | 70 | Volts |
| Throughput Voltage | | | 100 | Volts |
| WITH 8/20us SURGE PULSE INTO A BROADBAND RESISTIVE 50W LOAD | | | | |
| Throughput Energy | | | 500 | uJ |
| @ 8/20us 4kA SURGE PULSE | | | | |

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] |

Configuration

| | |
|------------------|----------|
| Input Connector | N Female |
| Output Connector | N Female |

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Environmental Specifications

Temperature

Operating Range

-50 to +85 deg C

Ingress Protection (IP) Rating

IP67

Humidity

95% Non-condensing, 100% External

Environmental Specification Notes:

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

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.

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/F Bulkhead Coaxial RF Surge Protector, DC - 1GHz, , IP67, 500uJ, 4kA, Filter 218-1118B-KIT](#)

URL: <https://www.polyphaser.com/type-n-surge-protector-1ghz-filter-218-1118b-kit-p.aspx>

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