

Type N F/F Bulkhead Coaxial RF Surge Protector, 125MHz - 1GHz,
DC Block, 200W, 250uJ, 50kA, Blocking Cap, Hole Mount



IS-NEMP-C2

Features

- Surge current of 50kA
- Max Power 200W
- Frequency range from 125 MHz to 1000 MHz
- N Female to N Female connectors
- VSWR <1.1:1
- Multi-strike capability
- Nuclear EMP protection
- CE & RoHS compliant

Applications

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

Description

RF surge protector (also known as lightning arrester or surge arrester) IS-NEMP-C2 from PolyPhaser, integrating a RF blocking capacitor with 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

Blocking Cap and Gas Tube
DC Block

| Description | Minimum | Typical | Maximum | Units |
|-------------------------------|---------|----------|---------|-------|
| Frequency Range | 125 | | 1,000 | MHz |
| Impedance | | 50 | | Ohms |
| VSWR | | | 1.1:1 | |
| Insertion Loss | | | 0.1 | dB |
| Input Power, CW | | | 200 | Watts |
| 200W @ 125MHz TO 220MHz | | | | |
| 100W @ 220MHz TO 700MHz | | | | |
| 50W @ 700MHz TO 1000MHz | | | | |
| Surge Current | | | 50 | kA |
| IEC 61000-4-5 8/20µs WAVEFORM | | | | |
| Turn On Voltage | | 330 ±20% | | Volts |
| Throughput Energy | | | 250 | 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/F Bulkhead Coaxial RF Surge Protector, 125MHz - 1GHz, DC Block, 200W, 250uJ, 50kA, Blocking Cap, Hole Mount IS-NEMP-C2](#)

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Mechanical Specifications

Size

| | |
|----------------|---------------------|
| Length | 2.72 in [69.09 mm] |
| Width/Diameter | 1 in [25.4 mm] |
| Height | 2.25 in [57.15 mm] |
| Weight | 0.35 lbs [158.76 g] |

Configuration

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

Environmental Specifications

Temperature

| | |
|-----------------|------------------|
| Operating Range | -50 to +50 deg C |
| Storage Range | -55 to +85 deg C |

| | |
|--------------------------------|-------------------|
| Ingress Protection (IP) Rating | None |
| Vibration | 1G @ 5Hz to 100Hz |

Compliance Certifications

RoHS
CE

Plotted and Other Data

Notes:

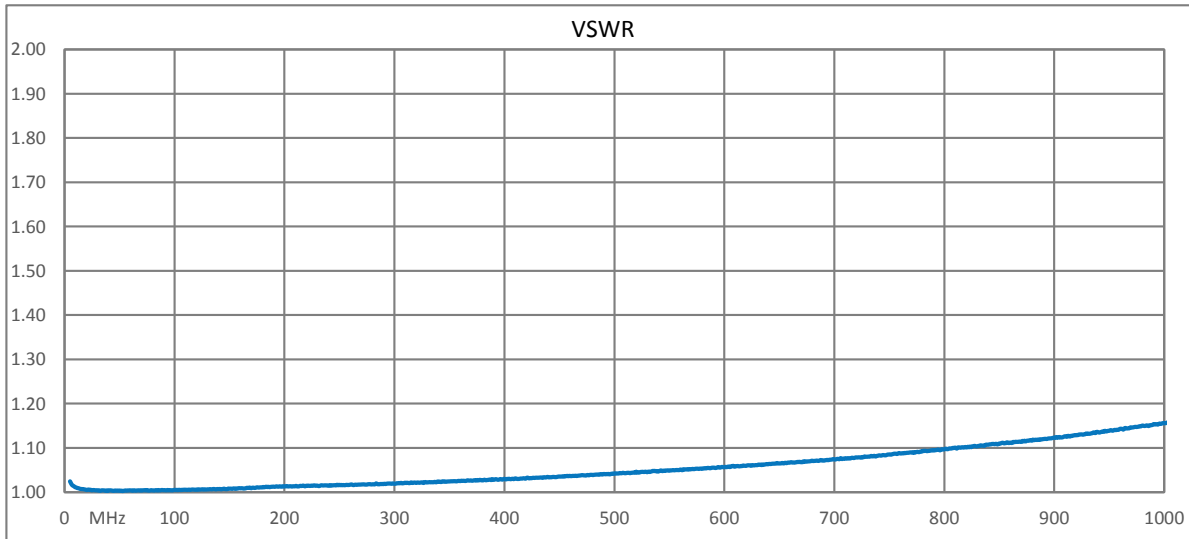
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:
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Typical Performance Data



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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.

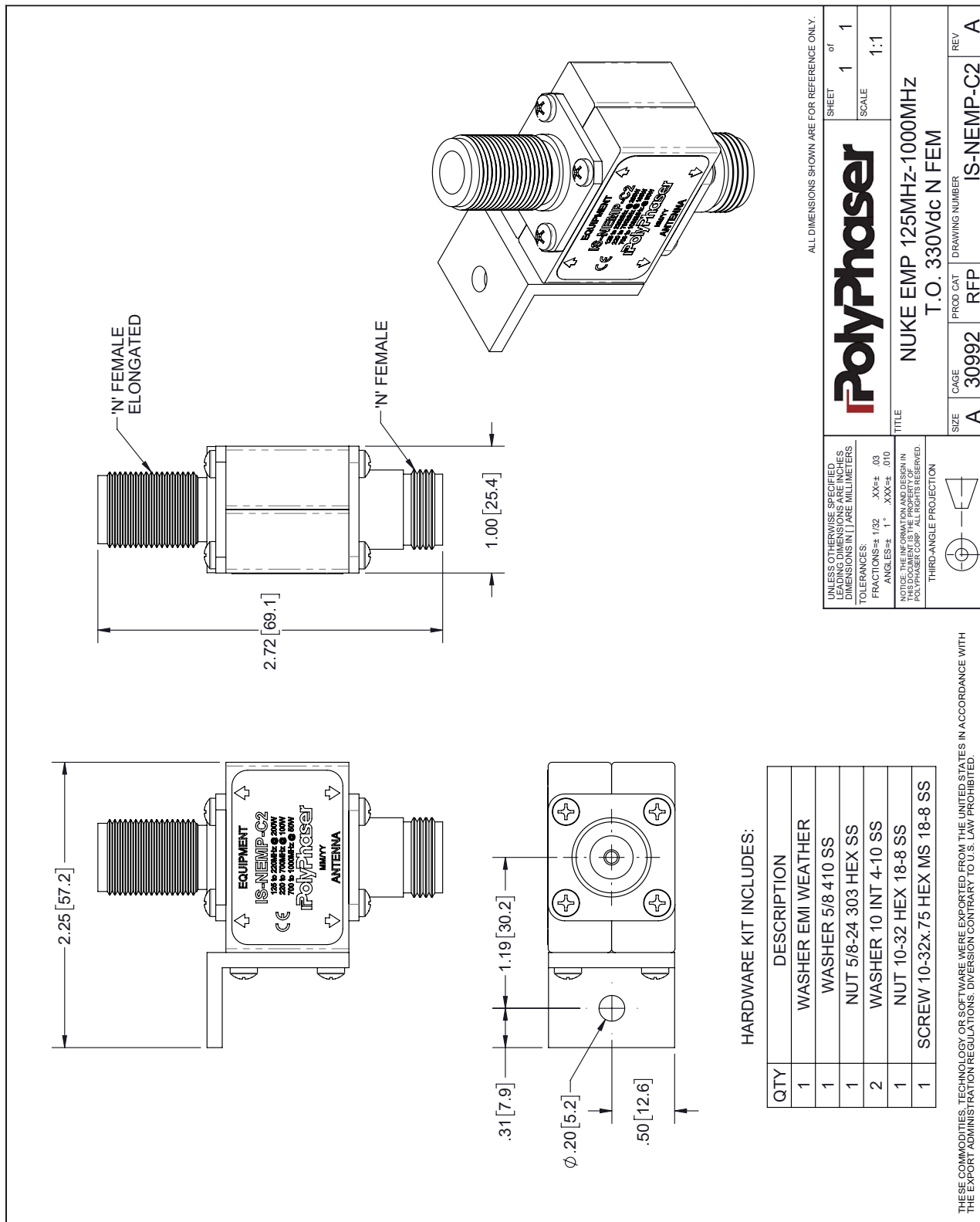
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Type N F/F Bulkhead Coaxial RF Surge Protector, 125MHz - 1GHz, DC Block, 200W, 250uJ, 50kA, Blocking Cap, Hole Mount IS-NEMP-C2](https://www.polyphaser.com/type-n-surge-protector-1ghz-blocking-cap-gas-tube-is-nemp-c2-p.aspx)

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IS-NEMP-C2 CAD Drawing



ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

PolyPhaser

NUKE EMP 125MHz-1000MHz
T.O. 330Vdc N FEM

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

TOLERANCES:
FRACTIONS: ± 1/32 .XX± .03
ANGLES: ± 1° .XXX± .010

THIRD-ANGLE PROJECTION

SIZE: A CAGE: 30992 PROD CAT: RFP DRAWING NUMBER: IS-NEMP-C2

TITLE: NUK EMP 125MHz-1000MHz
T.O. 330Vdc N FEM

SHEET 1 of 1
SCALE 1:1

REV A

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