



Type N F/F In/Out Bulkhead Coax RF Surge Protector, 10MHz - 1GHz, DC Block, 1.5kW, 20kA, Blocking Cap and Gas Tube

## RF Surge Protectors Technical Data Sheet

PE73SP1024

### Features

- Surge current of 20kA
- Max Power 1.5kW
- Frequency range from 10 MHz to 1000 MHz
- N Female to N Female connectors
- VSWR 1.1:1
- Multi-strike capability
- CE & RoHS compliant

### Applications

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

### Description

RF surge protector (also known as lightning arrester) PE73SP1024 from Pasternack utilizing a proprietary surge protection technology protects critical hardware from lightening events while maintaining the RF performance. This RF surge protector component is manufactured in a coaxial in-line design with wide operating frequency range. Optional weather proofing kit and copper cleaning kit are available for purchase separately. All Pasternack 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               | 10      |           | 1,000   | MHz    |
| Impedance                     |         | 50        |         | Ohms   |
| VSWR                          |         |           | 1.1:1   |        |
| Return Loss                   |         |           | 26      | dB     |
| Insertion Loss                |         |           | 0.1     | dB     |
| Input Power, CW               |         |           | 1.5     | KWatts |
| 1.5kW @ 10 to 50MHz           |         |           |         |        |
| 375W @ 50 to 220MHz           |         |           |         |        |
| 125W @ 220 to 700MHz          |         |           |         |        |
| 50W @ 700 to 1000MHz          |         |           |         |        |
| Surge Current                 |         |           | 20,000  | Amps   |
| IEC 61000-4-5 8/20µs WAVEFORM |         |           |         |        |
| Turn On Voltage               |         | 600 ±20 % |         | Volts  |
| Throughput Energy             |         |           | 3,500   | µJ     |
| @ 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 F/F In/Out Bulkhead Coax RF Surge Protector, 10MHz - 1GHz, DC Block, 1.5kW, 20kA, Blocking Cap and Gas Tube PE73SP1024](#)



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### Mechanical Specifications

#### 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 |

**Compliance Certifications** (see [product page](#) for current document)

### Plotted and Other Data

Notes:

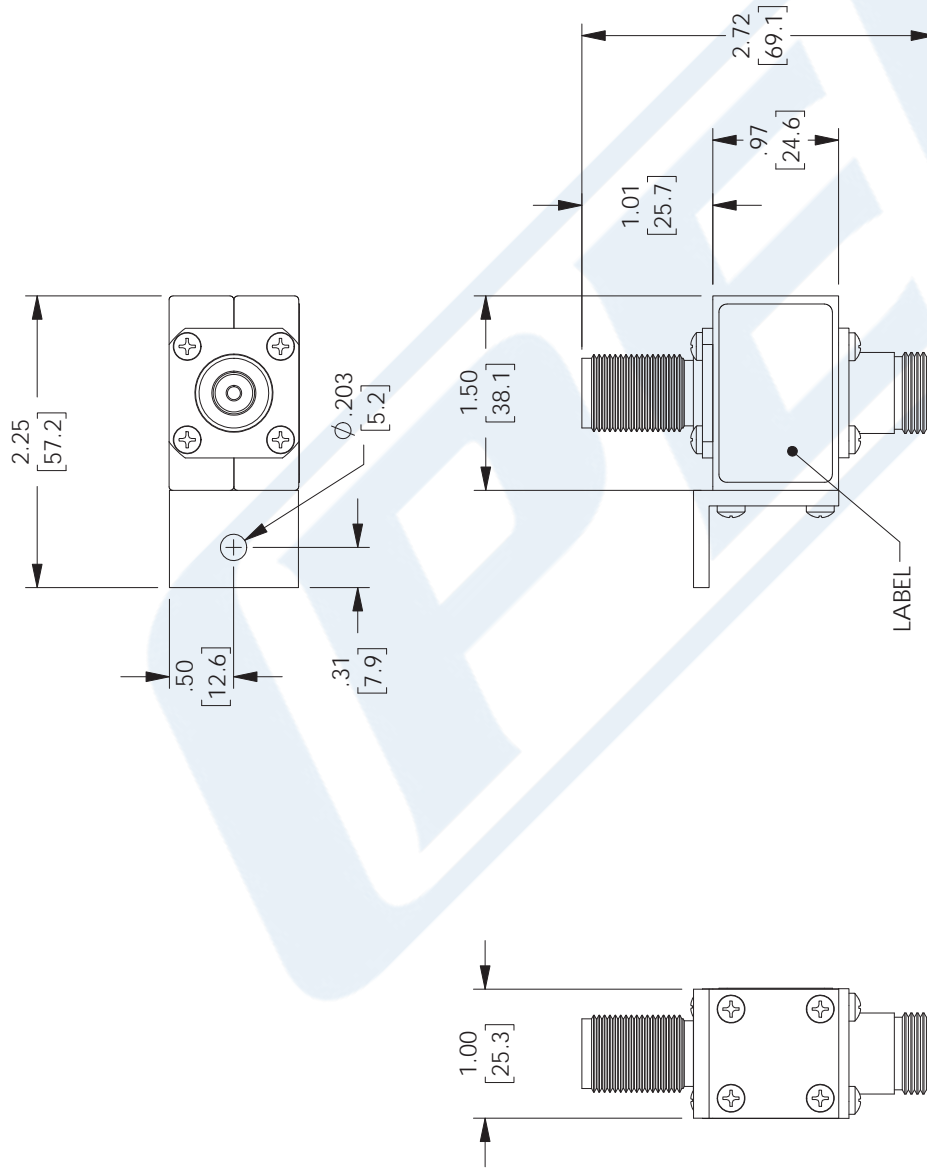
Type N F/F In/Out Bulkhead Coax RF Surge Protector, 10MHz - 1GHz, DC Block, 1.5kW, 20kA, Blocking Cap and Gas Tube from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

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URL: <https://www.pasternack.com/type-n-surge-protector-1ghz-blocking-cap-gas-tube-pe73sp1024-p.aspx>

# PE73SP1024 CAD Drawing

Type N F/F In/Out Bulkhead Coax RF Surge Protector, 10MHz - 1GHz, DC Block, 1.5kW, 20kA, Blocking Cap and Gas Tube



### NOTES:

HARDWARE INCLUDED.

REGULATORY COMPLIANCE:

CE2011/65/EU(RoHS DIRECTIVE)

### STANDARD TOLERANCES

.X ±0.2  
.XX ±0.01  
.XXX ±0.005

\*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES



Pasternack Enterprises, Inc.  
P.O. Box 16759 | Irvine | CA | 92623  
Phone: (949) 261-1920 | Fax: (949) 261-7451  
Website: www.pasternack.com | E-Mail: sales@pasternack.com

DWG TITLE

PE73S1024

NOTES:  
1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.  
2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.  
3. DIMENSIONS ARE IN INCHES (mm).

CAGE CODE 53919

CAD FILE 3/23/18

SCALE N/A

SIZE A

256