



Type N F/F In/Out Bulkhead Coax RF Surge Protector,  
2GHz - 6GHz, DC Block, 10W, IP67, 10kA, Filter

## RF Surge Protectors Technical Data Sheet

PE73SP1048

### Features

- Surge current up to 10kA
- Max Power 10W
- Frequency range from 2GHz to 6GHz
- N-type female connectors
- Waterproof IP67 rated
- DC Block
- VSWR <1.3:1
- Multi-strike capability
- CE & RoHS compliant

### Applications

- WiFi
- Cellular communication systems

### Description

RF surge protector (also known as lightning arrester) PE73SP1048 from Pasternack utilizing a patented DC shorted filter design enables an almost instantaneous 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 Pasternack 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	2		6	GHz
Impedance		50		Ohms
VSWR		1.2:1	1.3:1	
Return Loss		20		dB
Insertion Loss		0.1	0.2	dB
Input Power, CW			10	Watts
Surge Current IEC 61000-4-5 8/20μs WAVEFORM			10,000	Amps
Throughput Energy FOR 3kA @8/20μs WAVEFORM			0.5	μJ

### Mechanical Specifications

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, 2GHz - 6GHz, DC Block, 10W, IP67, 10kA, Filter PE73SP1048](#)



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### Configuration

Input Connector

N Female

Output Connector

N Female

### Environmental Specifications

#### Temperature

Operating Range

-40 to 85 deg C

Ingress Protection (IP) Rating

IP 67

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

### Plotted and Other Data

Notes:

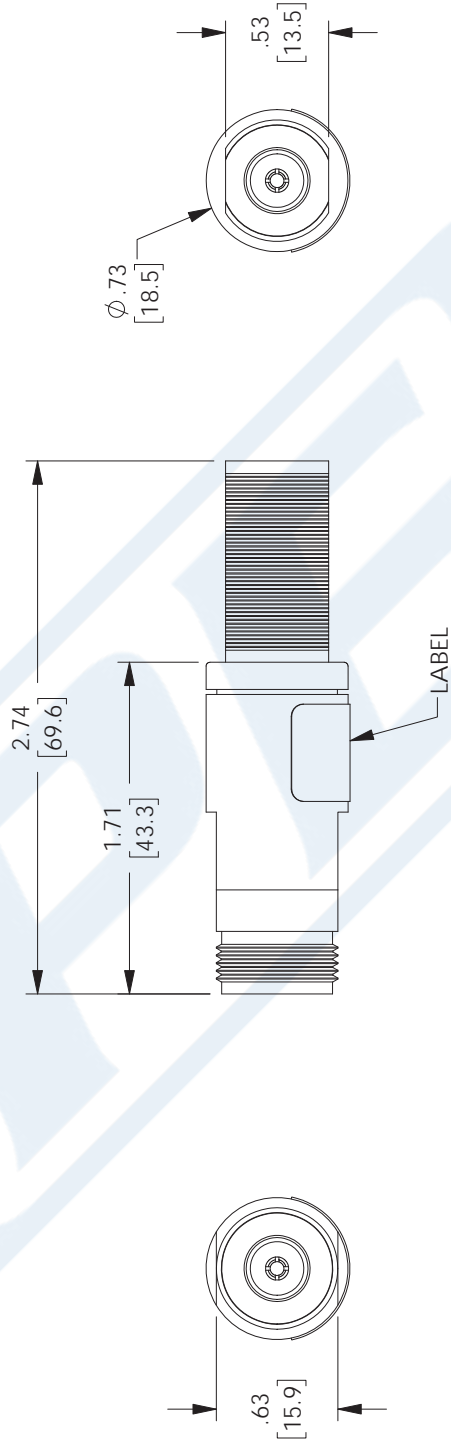
Type N F/F In/Out Bulkhead Coax RF Surge Protector, 2GHz - 6GHz, DC Block, 10W, IP67, 10kA, Filter from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

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, 2GHz - 6GHz, DC Block, 10W, IP67, 10kA, Filter PE73SP1048](#)

URL: <https://www.pasternack.com/type-n-surge-protector-6ghz-filter-pe73sp1048-p.aspx>

# PE73SP1048 CAD Drawing

Type N F/F In/Out Bulkhead Coax RF Surge Protector,  
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## 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



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DWG TITLE

PE73SP1048

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 3/22/18

SCALE N/A

SIZE A

256