



Type N F/F In/Out Bulkhead Coax RF Surge Protector,  
 698MHz - 2.7GHz, DC Block, 500W, IP67, 40kA, Filter

## RF Surge Protectors Technical Data Sheet

PE73SP1000

### Features

- Surge current of 40kA
- Max Power 500W
- Frequency range from 698 MHz to 2.7 GHz
- Waterproof IP67 rated
- N-type female connectors
- DC Block
- VSWR <1.1:1
- Low insertion loss
- CE & RoHS compliant
- Bi-Directional

### Applications

- Cellular communication systems
- Public safety systems
- Emergency response systems
- Industrial

### Description

RF surge protector (also known as lightning arrester) PE73SP1000 from Pasternack utilizing a patented spiral inductor 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	0.698		2.7	GHz
Impedance		50		Ohms
VSWR			1.1:1	
Return Loss			26	dB
Insertion Loss			0.1	dB
Input Power, CW			500	Watts
500W @ 920MHz				
750W @ 50°C				
Surge Current			40	kAmps
IEC 61000-4-5 8/20µs WAVEFORM				
Throughput Energy			0.01	µJ
FOR 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, 698MHz - 2.7GHz, DC Block, 500W, IP67, 40kA, Filter PE73SP1000](#)



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### Mechanical Specifications

#### Configuration

Input Connector	N Female
Output Connector	N Female

### Environmental Specifications

#### Temperature

Operating Range	-50 to 85 deg C
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Ingress Protection (IP) Rating	IP 67
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Vibration	1G @ 5Hz to 100Hz
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### Compliance Certifications (see [product page](#) for current document)

### Plotted and Other Data

Notes:

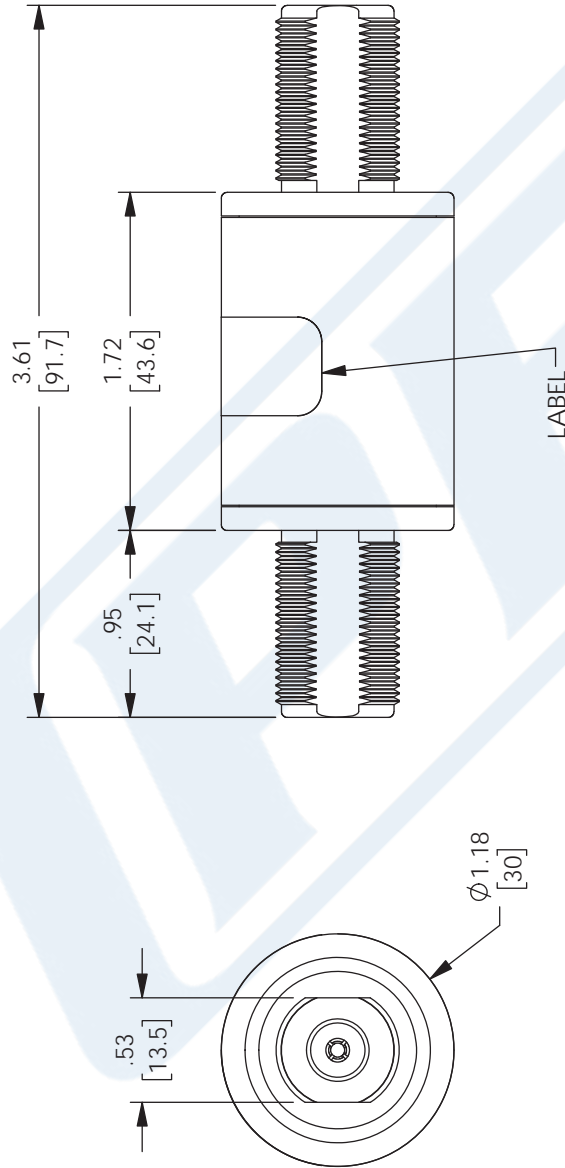
Type N F/F In/Out Bulkhead Coax RF Surge Protector, 698MHz - 2.7GHz, DC Block, 500W, IP67, 40kA, Filter from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

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URL: <https://www.pasternack.com/type-n-surge-protector-2.7ghz-filter-pe73sp1000-p.aspx>

# PE73SP1000 CAD Drawing

Type N F/F In/Out Bulkhead Coax RF Surge Protector, 698MHz  
- 2.7GHz, DC Block, 500W, IP67, 40kA, Filter



### 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

PE73SP1000

CAGE CODE 53919

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].

CAD FILE 3/22/18

SCALE N/A

SIZE A

256