



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

RF Surge Protectors Technical Data Sheet

PE73SP1002

Features

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

Applications

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

Description

RF surge protector (also known as lightning arrester) PE73SP1002 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			40,000	Amps
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/M In/Out Bulkhead Coax RF Surge Protector, 698MHz - 2.7GHz, DC Block, 500W, IP67, 40kA, Filter with Bracket PE73SP1002](#)



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Mechanical Specifications

Configuration

Input Connector

N Female

Output Connector

N Male

Environmental Specifications

Temperature

Operating Range

-50 to 85 deg C

Ingress Protection (IP) Rating

IP 67

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

Plotted and Other Data

Notes:

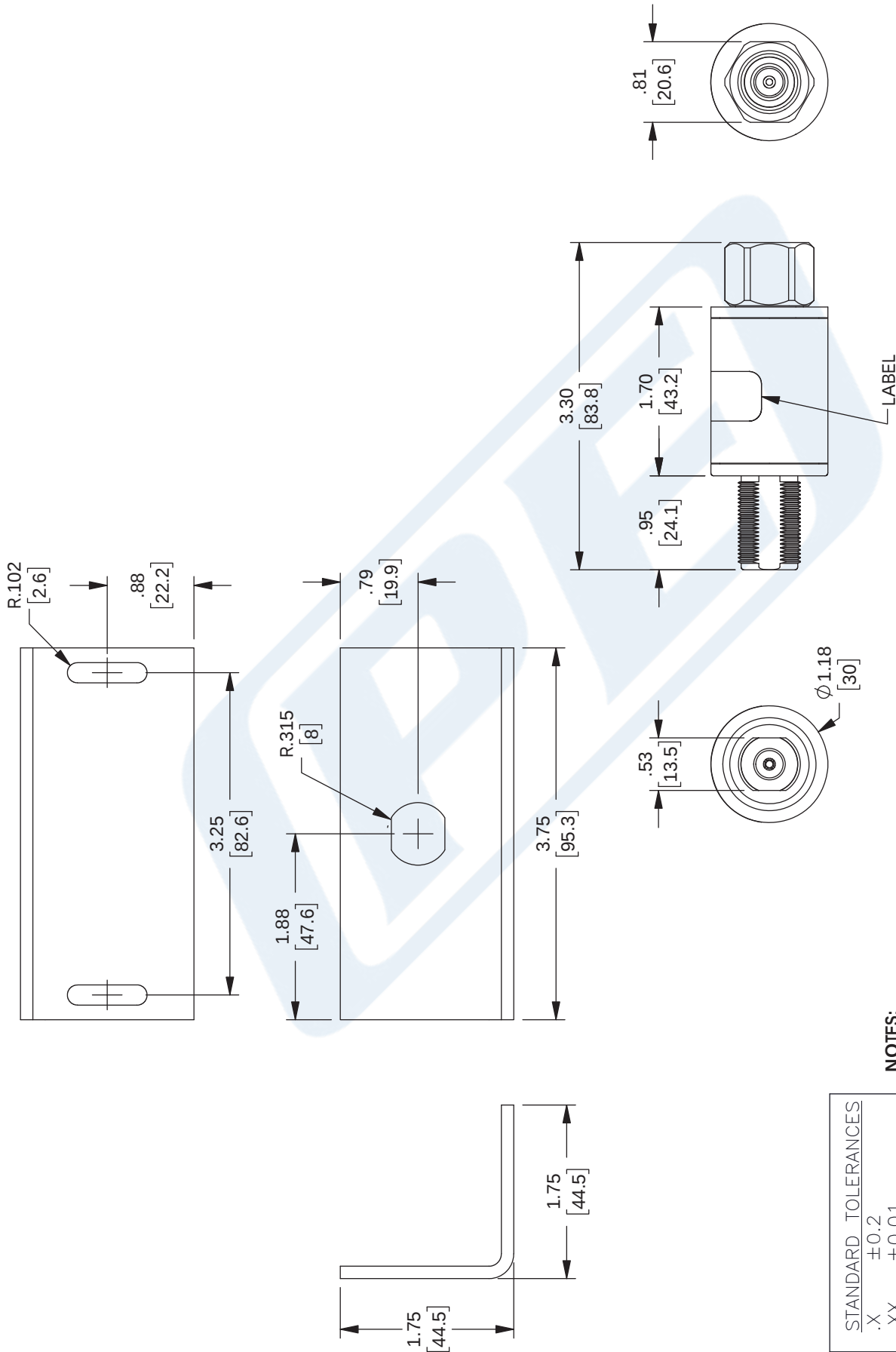
Type N F/M In/Out Bulkhead Coax RF Surge Protector, 698MHz - 2.7GHz, DC Block, 500W, IP67, 40kA, Filter with Bracket from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the 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/M In/Out Bulkhead Coax RF Surge Protector, 698MHz - 2.7GHz, DC Block, 500W, IP67, 40kA, Filter with Bracket PE73SP1002](#)

URL: <https://www.pasternack.com/type-n-surge-protector-2.7ghz-filter-pe73sp1002-p.aspx>

PE73SP1002 CAD Drawing

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



NOTES:
BRACKET AND 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

PE73SP1002

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