



Type N F/M In/Out Bulkhead Coax RF Surge Protector, DC - 2.4GHz, DC Pass, 50W, IP67, 18kA, Gas Discharge Tube

RF Surge Protectors Technical Data Sheet

PE73SP1042

Features

- Surge current of 18kA
- Max Power 50W(RMS)
- Frequency range from DC to 2.4GHz
- N-type female connector to N-type male connector
- Waterproof IP67 rated
- DC Pass
- VSWR <1.28
- CE & RoHS compliant
- Bi-Directional

Applications

- WiFi
- GPS
- Land mobile radio

Description

RF surge protector (also known as lightning arrester) PE73SP1042 from Pasternack utilizing a proprietary gas tube 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. All Pasternack RF surge protector products are available in stock with same day shipping.

Electrical Specifications

Surge Protector Type
DC Handling

Gas Discharge Tube
DC Pass

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		2.4	GHz
Impedance		50		Ohms
VSWR			1.28:1	
Return Loss			18	dB
Insertion Loss			0.25	dB
Input Power, CW			50	Watts
50W @ 10MHz				
10W @ 2GHz				
Surge Current			18	kA
IEC 61000-4-5, 8/20μS WAVEFORM				
Turn On Voltage		180 ±20%		Volts

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/M In/Out Bulkhead Coax RF Surge Protector, DC - 2.4GHz, DC Pass, 50W, IP67, 18kA, Gas Discharge Tube PE73SP1042](#)



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Configuration

Input Connector

N Female

Output Connector

N Male

Environmental Specifications

Temperature

Operating Range

-40 to 85 deg C

Ingress Protection (IP) Rating

IP 67

Vibration

1G AT 5Hz TO 100Hz

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

Plotted and Other Data

Notes:

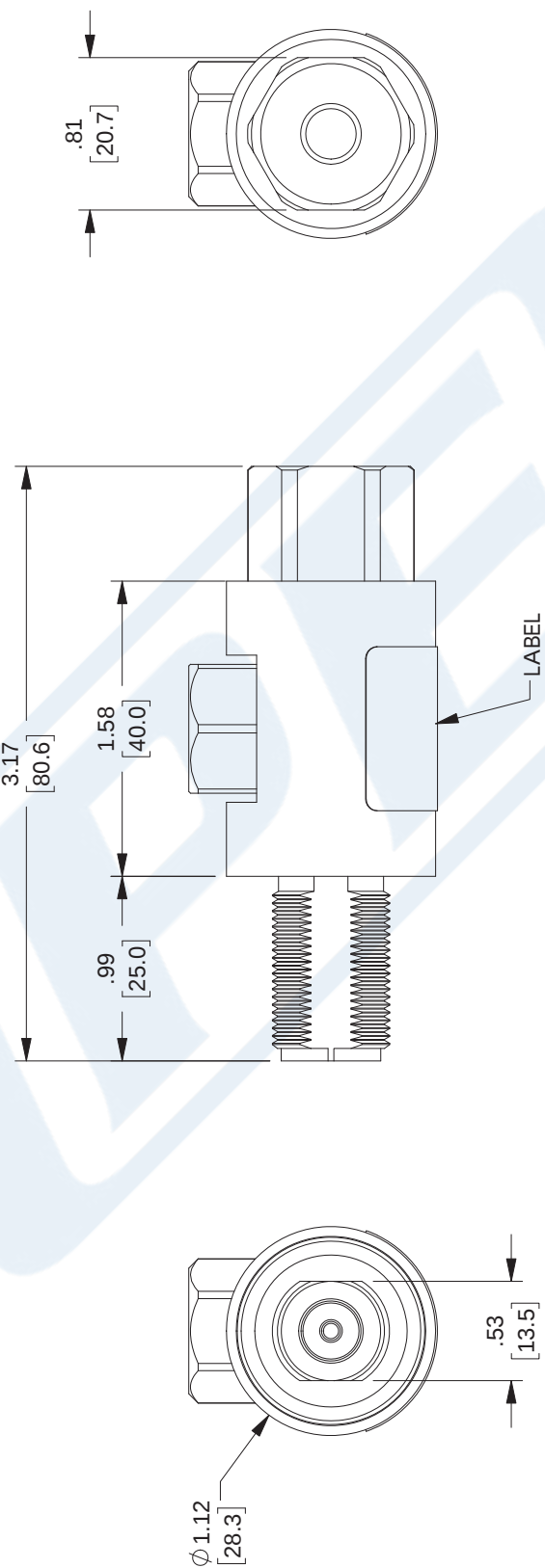
Type N F/M In/Out Bulkhead Coax RF Surge Protector, DC - 2.4GHz, DC Pass, 50W, IP67, 18kA, Gas Discharge Tube from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

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, DC - 2.4GHz, DC Pass, 50W, IP67, 18kA, Gas Discharge Tube PE73SP1042](#)

URL: <https://www.pasternack.com/type-n-surge-protector-2.4ghz-gas-discharge-tube-pe73sp1042-p.aspx>

PE73SP1042 CAD Drawing

Type N F/M In/Out Bulkhead Coax RF Surge Protector, DC - 2.4GHz, DC Pass, 50W, IP67, 18kA, Gas Discharge 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



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DWG TITLE

PE73SP1042

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 3/23/18

SCALE N/A

SIZE A

256