



Type N F/F In/Out Coax RF Surge Protector,
40MHz - 400MHz, DC Pass, 100W, IP67, 2.5mJ,
20kA, Hybrid, Bracket Toward Body, Stud

RF Surge Protectors Technical Data Sheet

PE73SP1018

Features

- Surge current of 20kA
- Max Power 100W
- Frequency range from 40 to 400MHz
- N-type female connectors
- Waterproof IP67 rated
- DC Pass
- VSWR <1.1:1
- Low insertion loss
- CE & RoHS compliant

Applications

- GPS systems
- Active antenna systems

Description

RF surge protector (also known as lightning arrester) PE73SP1018 from Pasternack, utilizing a patented hybrid protection technology integrating a silicon avalanche suppression diode (SASD) and a MOV and gas tube, enables a quick 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

Hybrid

DC Handling

DC Pass

Description	Minimum	Typical	Maximum	Units
Frequency Range	40		400	MHz
Impedance		50		Ohms
VSWR			1.1:1	
Return Loss			26	dB
Insertion Loss			0.25	dB
Input Power, CW			100	Watts
Surge Current IEC 61000-4-5 8/20µs WAVEFORM			20	kA
Turn On Voltage		66		Volts
Throughput Energy FOR 3kA, 8/20µs WAVEFORM			2.5	mJ

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 Coax RF Surge Protector, 40MHz - 400MHz, DC Pass, 100W, IP67, 2.5mJ, 20kA, Hybrid, Bracket Toward Body, Stud PE73SP1018](#)



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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

Ingress Protection (IP) Rating

IP 67

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

Plotted and Other Data

Notes:

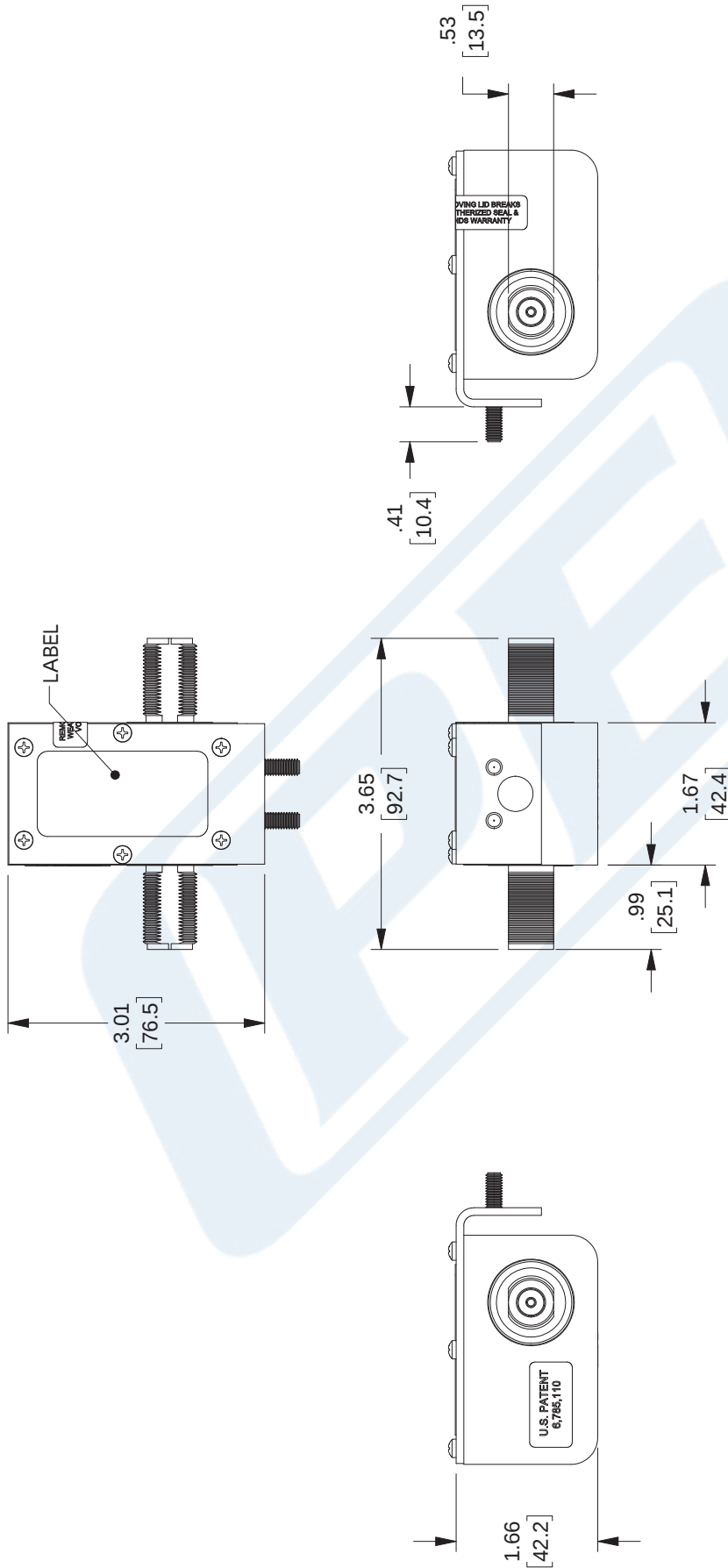
Type N F/F In/Out Coax RF Surge Protector, 40MHz - 400MHz, DC Pass, 100W, IP67, 2.5mJ, 20kA, Hybrid, Bracket Toward Body, Stud from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

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URL: <https://www.pasternack.com/type-n-surge-protector-400mhz-hybrid-stud-pe73sp1018-p.aspx>

PE73SP1018 CAD Drawing

Type N F/F In/Out Coax RF Surge Protector, 40MHz - 400MHz, DC Pass,
100W, IP67, 2.5mJ, 20kA, Hybrid, Bracket Toward Body, Stud



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

PE73SP018

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