



Type N F/F In/Out Coax RF Surge Protector, 800MHz - 2.5GHz,  
 DC Pass, 300W, IP67, 20kA, Hybrid, Bracket Away from Arrestor

## RF Surge Protectors Technical Data Sheet

PE73SP1013

### Features

- Surge current of 20kA
- Max Power 300W
- Frequency range from 800 MHz to 2.5GHz
- 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) PE73SP1013 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	0.8		2.5	GHz
Impedance		50		Ohms
VSWR			1.1:1	
Return Loss			26	dB
Insertion Loss			0.1	dB
Input Power, CW			300	Watts
Surge Current IEC 61000-4-5 8/20µs Waveform			20	kAmps
Turn On Voltage		6.5		Volts
Throughput Energy FOR 3kA @ 8/20µs WAVEFORM			175	µJ

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, 800MHz - 2.5GHz, DC Pass, 300W, IP67, 20kA, Hybrid, Bracket Away from Arrestor PE73SP1013](#)



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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:

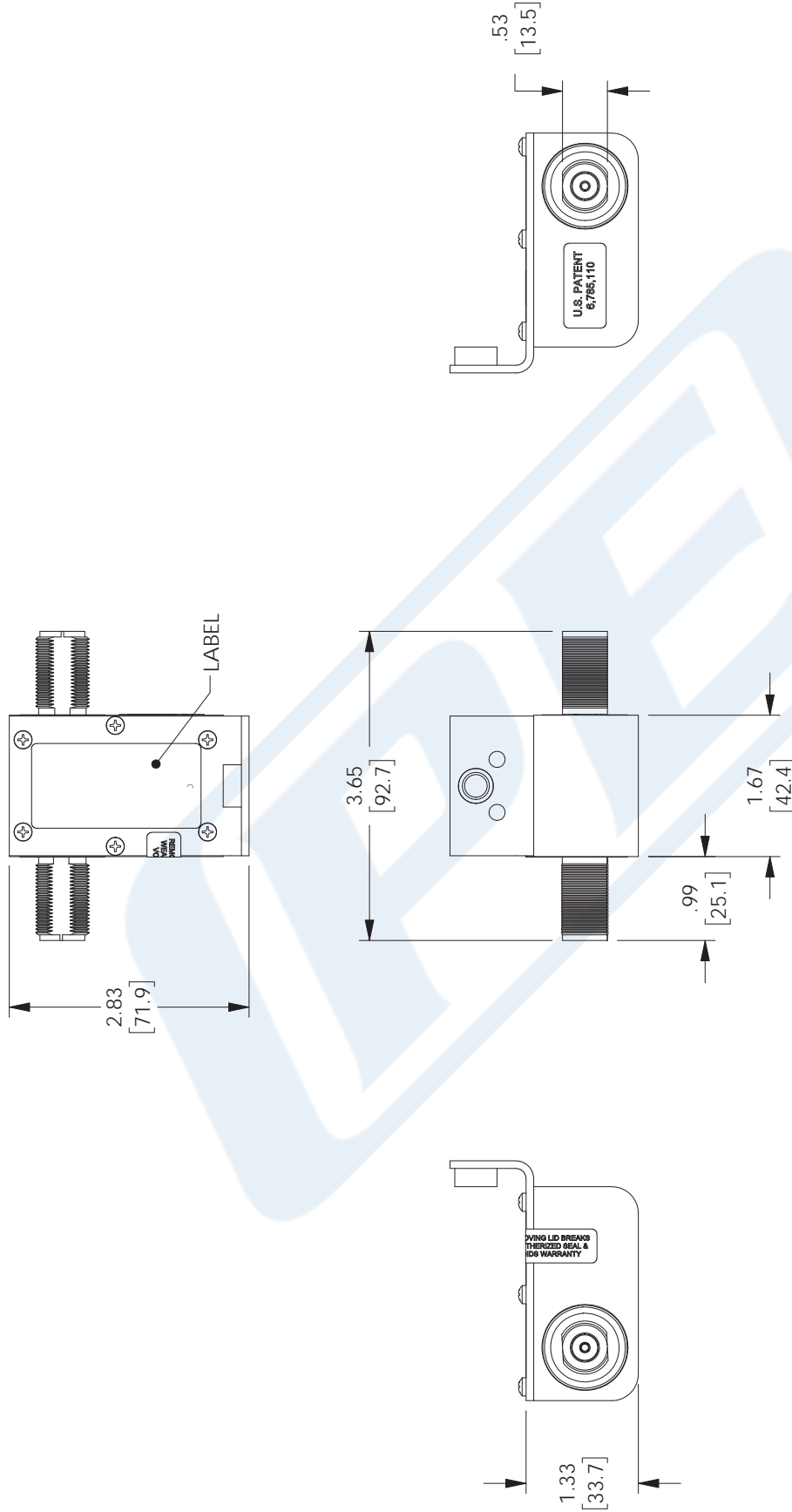
Type N F/F In/Out Coax RF Surge Protector, 800MHz - 2.5GHz, DC Pass, 300W, IP67, 20kA, Hybrid, Bracket Away from Arrestor from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

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URL: <https://www.pasternack.com/type-n-surge-protector-2.5ghz-hybrid-pe73sp1013-p.aspx>

# PE73SP1013 CAD Drawing

Type N F/F In/Out Coax RF Surge Protector, 800MHz - 2.5GHz, DC Pass, 300W, IP67, 20kA, Hybrid, Bracket Away from Arrestor



**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

PE73SP1013

**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