



7/16 F/M In/Out Bulkhead Coax RF Surge Protector, 698MHz - 2.7GHz, DC Block, 500W, IP67, 40kA, Filter, Low PIM -155 dBc

RF Surge Protectors Technical Data Sheet

PE73SP1006

Features

- Surge current of 40kA
- Max Power 500W
- Frequency range from 698 MHz to 2.7 GHz
- Waterproof IP67 rated
- 7/16 DIN female connector to 7/16 DIN male connector
- DC Block
- Low PIM
- 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) PE73SP1006 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
Passive Intermodulation			-155	dBc
Input Power, CW 500W @ 920MHz 750W @ 50°C			500	Watts
Surge Current IEC 61000-4-5 8/20µs WAVEFORM			40,000	Amps
Throughput Energy FOR 3kA@ 8/20µs WAVEFORM			0.01	µJ

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [7/16 F/M In/Out Bulkhead Coax RF Surge Protector, 698MHz - 2.7GHz, DC Block, 500W, IP67, 40kA, Filter, Low PIM -155 dBc PE73SP1006](#)



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Mechanical Specifications

Configuration

Input Connector

7/16 DIN Female

Output Connector

7/16 DIN Male

Environmental Specifications

Temperature

Operating Range

-50 to 85 deg C

Ingress Protection (IP) Rating

IP 67

Vibration

1G @ 5Hz to 100Hz

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

Plotted and Other Data

Notes:

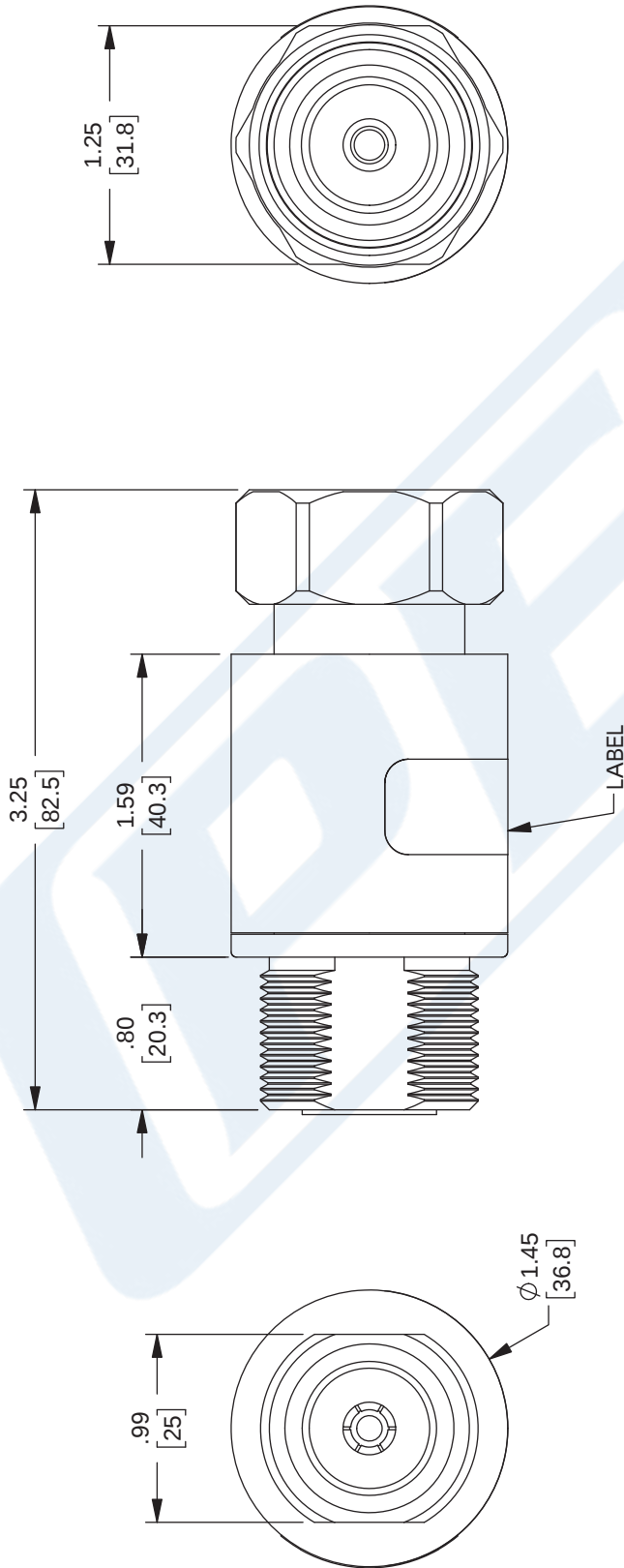
7/16 F/M In/Out Bulkhead Coax RF Surge Protector, 698MHz - 2.7GHz, DC Block, 500W, IP67, 40kA, Filter, Low PIM -155 dBc from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

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URL: <https://www.pasternack.com/7-16-din-surge-protector-2.7ghz-filter-pe73sp1006-p.aspx>

PE73SP1006 CAD Drawing

7/16 F/M In/Out Bulkhead Coax RF Surge Protector, 698MHz - 2.7GHz,
DC Block, 500W, IP67, 40kA, Filter, Low PIM -155 dBc



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

PE73SP1006

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
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