



4.3-10 F/F Bulkhead Coaxial RF Surge Protector,
698MHz - 2.7GHz, 500W, IP67, 80 V Max.,
1mJ, 20kA, Filter, Low PIM -173 dBc

RF Surge Protectors Technical Data Sheet

PE73SP1061

Features

- Surge current of 20kA
- Max Power 500W
- Frequency range from 698 MHz to 2700 MHz
- Waterproof IP67 rated
- 4.3-10-type Female connectors
- DC Pass
- VSWR <1.12:1
- Low insertion loss
- CE & RoHS compliant
- Bidirectional

Applications

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

Description

RF surge protector (also known as lightning arrester) PE73SP1061 from Pasternack Enterprises 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 Enterprises RF surge protector products are available in stock with same day shipping.

Electrical Specifications

Surge Protector Type
DC Handling

Surge Filter and Gas Tube
DC Pass

Description	Minimum	Typical	Maximum	Units
Frequency Range	0.698		2.7	GHz
Impedance		50		Ohms
VSWR			1.12:1	
Insertion Loss		0.1	0.2	dB
Passive Intermodulation		-155	-173	dBc
Operating Voltage (DC)			80	Volts
Operating Current (DC)			6	A
Resistance (DC)			20	mOhms
Input Power, CW			500	Watts
Surge Current IEC 61000-4-5 8/20µs waveform			20	kA
Throughput Energy for 2kA @ 8/20µs waveform			1	mJ

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [4.3-10 F/F Bulkhead Coaxial RF Surge Protector, 698MHz - 2.7GHz, 500W, IP67, 80 V Max., 1mJ, 20kA, Filter, Low PIM -173 dBc PE73SP1061](#)



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Mechanical Specifications

Size

Length	2.9 in [73.66 mm]
Width/Diameter	1.72 in [43.69 mm]
Height	1.81 in [45.97 mm]
Weight	1 lbs [453.59 g]
Housing Material and Plating	Brass, Tri-Metal

Configuration

Input Connector	4.3-10 Female
Output Connector	4.3-10 Female

Environmental Specifications

Temperature

Operating Range	-50 to +85 deg C
Storage Range	-50 to +85 deg C

Ingress Protection (IP) Rating	IP67
Humidity	95%

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

Plotted and Other Data

Notes:

4.3-10 F/F Bulkhead Coaxial RF Surge Protector, 698MHz - 2.7GHz, 500W, IP67, 80 V Max., 1mJ, 20kA, Filter, Low PIM -173 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.

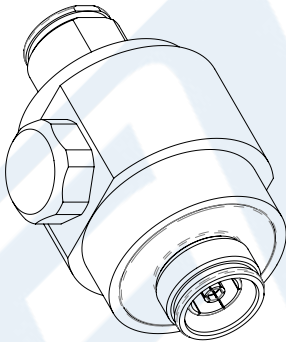
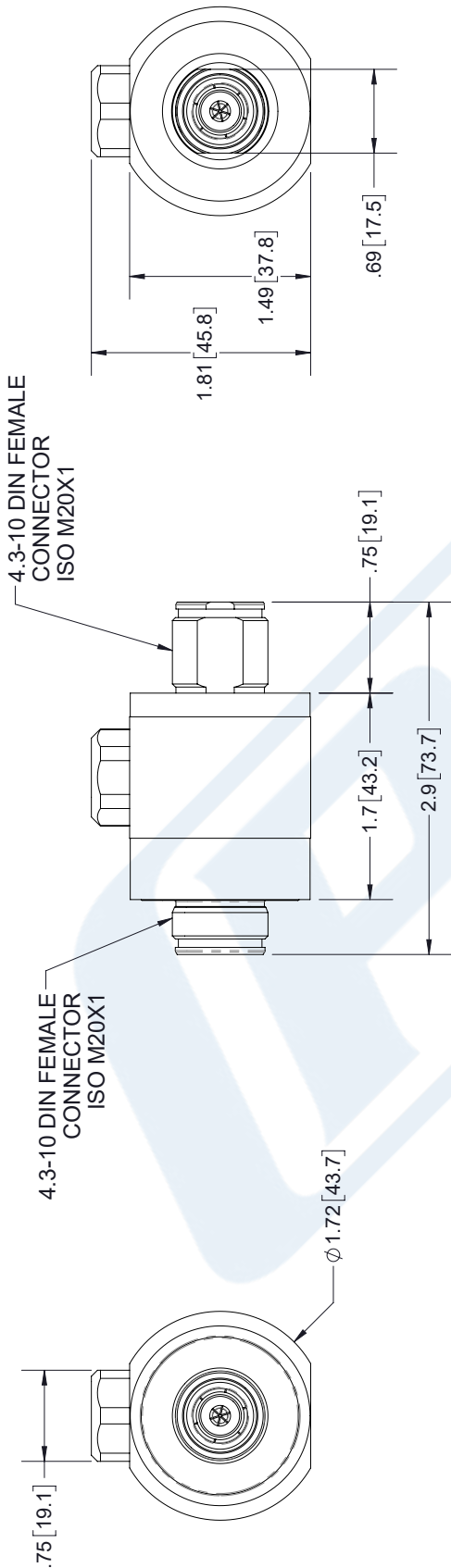
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URL: <https://www.pasternack.com/4.3-10-surge-protector-2.7ghz-surge-filter-gas-tube-pe73sp1061-p.aspx>

PE73SP1061 CAD Drawing

4.3-10 F/F Bulkhead Coaxial RF Surge Protector, 698MHz - 2.7GHz,
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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	9/9/19	DWR



HARDWARE KIT CONTENTS:	
QTY	DESCRIPTION
1	NUT M20 X 1 SS
1	WASHER .82ID FLAT SS
1	SILICONE O-RING 019
1	RING TERM 6AWG .82ID

UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE IN INCHES DIMENSIONS IN [] ARE MILLIMETERS	
TOLERANCES:	FRACTIONS
X±.2 [5.08]	±.132
XX±.01 [.25]	±.132
XXX±.005 [.13]	±.132
ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.	
THIRD-ANGLE PROJECTION	

PE PASTERNAK an INFINITI brand	
Pasternack Enterprises, Inc. P.O. Box 16759, Irvine, CA 92623. Phone: 1.949.261.1920 1.866.727.8376 Fax: 1.949.261.7451 www.pasternack.com e-mail: sales@pasternack.com	
SIZE	PART NUMBER
A	PE73SP1061
CAGE	DPM
DRAWN BY	REV
53919	A

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