



4.3-10-Male to 4.3-10-Female Low PIM Quarter Wave Protector, 555MHz to 4GHz

RF Surge Protectors Technical Data Sheet

PE73SP1070

Features

- Extended Range Broadband Performance from 555 to 4000 MHz
- DC Block Topology
- Repetitive Strike Protection
- Low PIM

Applications

- CBRS Networks
- Cellular
- Distributed Antenna Systems (DAS)
- Emergency Response Systems
- Public Safety Systems

Description

RF surge protector (also known as lightning arrestor) PE73SP1070 from Pasternack utilizing a quarter wave stub design 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. Pasternack RF surge protector products are available in stock with same day shipping.

Electrical Specifications

Surge Protector Type: Quarter Wave Stub
 DC Handling: DC Block

Description	Minimum	Typical	Maximum	Units
Frequency Range	0.555		4	GHz
Impedance		50		Ohms
VSWR			1.18:1	
Insertion Loss			0.1	dB
Passive Intermodulation			160	dBc
Input Power, CW			200	Watts
Surge Current IEC 61000-4-5 8/20µs			50	kA

Mechanical Specifications

Size
 Length: 2.77 in [70.36 mm]
 Width/Diameter: 0.98 in [24.89 mm]
 Height: 1.47 in [37.34 mm]
 Weight: 9.6 lbs [4.35 kg]
 Housing Material and Plating: Brass, Tri-Metal

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-Male to 4.3-10-Female Low PIM Quarter Wave Protector, 555MHz to 4GHz PE73SP1070](#)



4.3-10-Male to 4.3-10-Female Low PIM Quarter Wave Protector, 555MHz to 4GHz

RF Surge Protectors Technical Data Sheet

PE73SP1070

Configuration

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

Environmental Specifications

Temperature

Operating Range -40 to +85 deg C

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

Plotted and Other Data

Notes:

4.3-10-Male to 4.3-10-Female Low PIM Quarter Wave Protector, 555MHz to 4GHz 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.

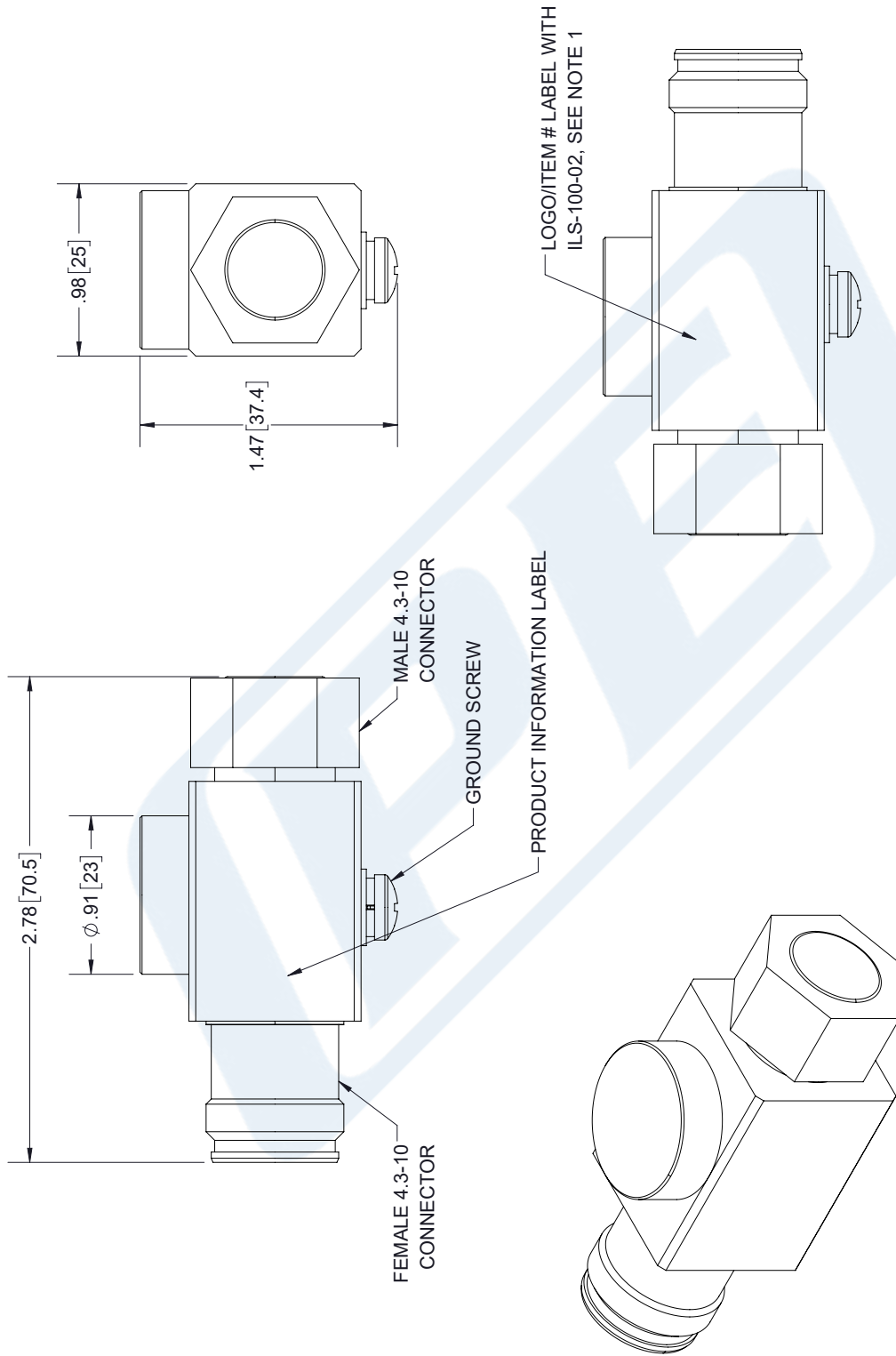
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [4.3-10-Male to 4.3-10-Female Low PIM Quarter Wave Protector, 555MHz to 4GHz PE73SP1070](#)

URL: <https://www.pasternack.com/4.3-10-surge-protector-4ghz-quarter-wave-stub-pe73sp1070-p.aspx>

PE73SP1070 CAD Drawing

4.3-10-Male to 4.3-10-Female Low PIM Quarter Wave Protector, 555MHz to 4GHz

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	1/18/2021	DWR



LOGO/ITEM # LABEL WITH ILS-100-02, SEE NOTE 1

<p>UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS</p> <p>TOLERANCES:</p> <table border="0"> <tr> <td>.X = ±.2</td> <td>[5.08]</td> <td>FRACTIONS</td> </tr> <tr> <td>.XX = ±.02</td> <td>[.51]</td> <td>±.1/32</td> </tr> <tr> <td>.XXX = ±.005</td> <td>[.13]</td> <td>ANGLES ± 1°</td> </tr> </table> <p>CABLE LENGTH (L) TOLERANCES:</p> <table border="0"> <tr> <td>L ≤ 12</td> <td>[305]</td> <td>= +1 [25] / -0</td> </tr> <tr> <td>12 [305] < L ≤ 60</td> <td>[1524]</td> <td>= +2 [51] / -0</td> </tr> <tr> <td>60 [1524] < L ≤ 120</td> <td>[3048]</td> <td>= +4 [102] / -0</td> </tr> <tr> <td>120 [3048] < L ≤ 300</td> <td>[7620]</td> <td>= +6 [152] / -0</td> </tr> <tr> <td>300 [7620] < L</td> <td></td> <td>= +5%L / -0</td> </tr> </table> <p>ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.</p>	.X = ±.2	[5.08]	FRACTIONS	.XX = ±.02	[.51]	±.1/32	.XXX = ±.005	[.13]	ANGLES ± 1°	L ≤ 12	[305]	= +1 [25] / -0	12 [305] < L ≤ 60	[1524]	= +2 [51] / -0	60 [1524] < L ≤ 120	[3048]	= +4 [102] / -0	120 [3048] < L ≤ 300	[7620]	= +6 [152] / -0	300 [7620] < L		= +5%L / -0	<p>PE PASTERNAK an INFINITI® brand</p> <p>Pasternack Enterprises, Inc. P. O. Box 16759, Irvine, CA 92623. Phone: 1.949.261.1920 1.866.727.8376 Fax: 1.949.261.7451 Website: www.pasternack.com E-mail: sales@pasternack.com</p>	<p>THIRD-ANGLE PROJECTION</p> <p>THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF PASTERNAK CORPORATION ALL RIGHTS RESERVED.</p> <p>SHEET 1 OF 1</p> <p>SCALE 1:1</p>
	.X = ±.2	[5.08]	FRACTIONS																							
.XX = ±.02	[.51]	±.1/32																								
.XXX = ±.005	[.13]	ANGLES ± 1°																								
L ≤ 12	[305]	= +1 [25] / -0																								
12 [305] < L ≤ 60	[1524]	= +2 [51] / -0																								
60 [1524] < L ≤ 120	[3048]	= +4 [102] / -0																								
120 [3048] < L ≤ 300	[7620]	= +6 [152] / -0																								
300 [7620] < L		= +5%L / -0																								
<p>SIZE A</p> <p>CAGE CODE 53919</p> <p>DRAWN BY DPM</p> <p>ITEM NO. PE73SP1070</p> <p>REV A</p>																										

NOTES:
1. SEE LABEL SPECIFICATION ILS-100. FOR INTERNAL REFERENCE ONLY.

THESE COMMODITIES, TECHNOLOGY OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED.