



WR-75 Waveguide Section 6 Inch Length Straight Using UBR120 Flange With a 10 GHz to 15 GHz Frequency Range in Commercial Grade

TECHNICAL DATA SHEET

PE-W75S001A-6

Pasternack's waveguide sections are constructed of a high quality copper alloy designed to provide VSWR as low as 1.03:1. Waveguide sections range from WR-12 up to WR-137 and include grooved and non-grooved designs. Standard lengths of Pasternack waveguide sections range from 3" to 12" in 3" increments and each waveguide section is labeled for easy identification. Custom lengths are also available on request. Standard sections of waveguide are painted in blue and our instrumentation-grade versions are gold plated.

Features

- WR-12 to WR-137 Waveguide Sections
- Grooved and Non-Grooved Flanges Available
- Sections Covering Frequencies from 10 to 15 GHz
- E-Bends, H-Bends, Filters, Terminations and Waveguide to Coax adapters are also available
- Custom lengths are also available on request

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	10		15	GHz
VSWR			1.03:1	
Insertion Loss			0.1 [0.33]	dB/ft [dB/m]

Mechanical Specifications

Waveguide Size	WR-75
Waveguide Design	Commercial Grade
Section Length	6 in [152.4 mm]

Description	Flange 1	Waveguide	Flange 2
Flange Type	UBR120		UBR120
Flange Designation	None	WR-75	None
Material	Copper Alloy	Copper Alloy	Copper Alloy
Plating	Paint	Paint	Paint
Color	Gray	Gray	Gray

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

Notes:

- Values at +25 °C, sea level

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [WR-75 Waveguide Section 6 Inch Length Straight Using UBR120 Flange With a 10 GHz to 15 GHz Frequency Range in Commercial Grade PE-W75S001A-6](#)



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WR-75 Waveguide Section 6 Inch Length Straight Using UBR120 Flange With a 10 GHz to 15 GHz Frequency Range in Commercial Grade 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: [WR-75 Waveguide Section 6 Inch Length Straight Using UBR120 Flange With a 10 GHz to 15 GHz Frequency Range in Commercial Grade PE-W75S001A-6](https://www.pasternack.com/wr-75-waveguide-section-ubr120-flange-10-15-ghz-pe-w75s001a-6-p.aspx)

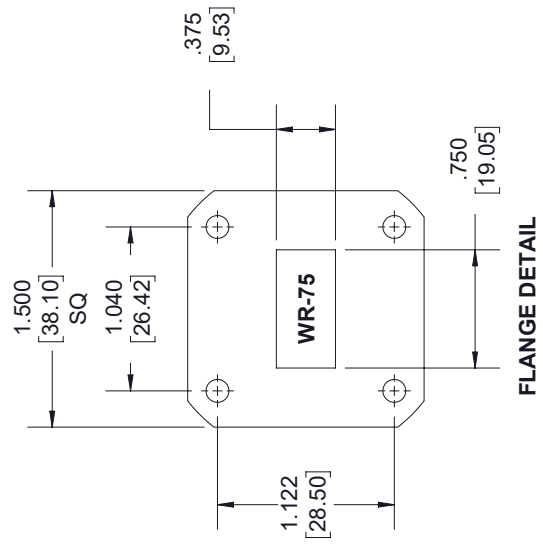
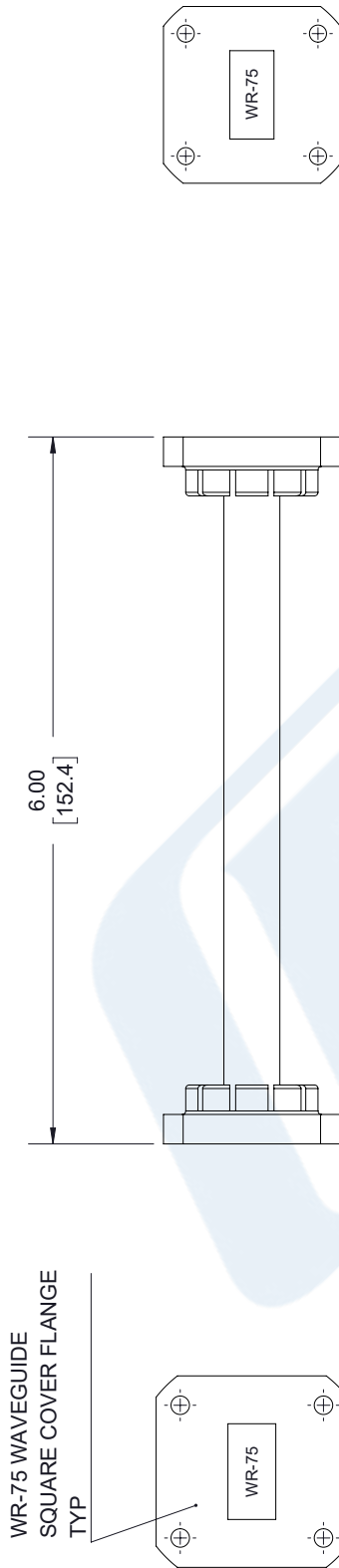
URL: <https://www.pasternack.com/wr-75-waveguide-section-ubr120-flange-10-15-ghz-pe-w75s001a-6-p.aspx>

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

PE-W75S001A-6 CAD Drawing

WR-75 Waveguide Section 6 Inch Length Straight Using UBR120 Flange
With a 10 GHz to 15 GHz Frequency Range in Commercial Grade

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	11/05/19	S.PONG



<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>[.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 [305]</td> <td>= +1 [25] / -0</td> </tr> <tr> <td>12 [305] < L ≤ 60 [1524]</td> <td>= +2 [51] / -0</td> </tr> <tr> <td>60 [1524] < L ≤ 120 [3048]</td> <td>= +4 [102] / -0</td> </tr> <tr> <td>120 [3048] < L ≤ 300 [7620]</td> <td>= +6 [152] / -0</td> </tr> <tr> <td>300 [7620] < L =</td> <td>+5% / -0</td> </tr> </table> <p>ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.</p>		.X = ± .2	[.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% / -0	<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 N/A</p>	
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<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>SIZE A CAGE CODE 53919 DRAWN BY K.DANG PART NUMBER PE-W75S001A-6 REV A</p>																				

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