



WR-90 Waveguide H-Bend with CPR-90G Flange
Operating from 8.2 GHz to 12.4 GHz

TECHNICAL DATA SHEET

PE-W90B004A

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	8.2		12.4	GHz
VSWR			1.08:1	
Insertion Loss		0.15		dB

Mechanical Specifications

Waveguide Size	WR-90		
Description	Flange 1	Waveguide	Flange 2
Flange Type	CPR-90G		CPR-90G
Flange Designation	None	WR-90	None
Material	Copper Alloy	Copper Alloy	Copper Alloy
Plating	Paint	Paint	Paint

Size
Weight 0.55 lbs [249.48 g]

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

Plotted and Other Data

Notes:

WR-90 Waveguide H-Bend with CPR-90G Flange Operating from 8.2 GHz to 12.4 GHz 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-90 Waveguide H-Bend with CPR-90G Flange Operating from 8.2 GHz to 12.4 GHz PE-W90B004A](#)

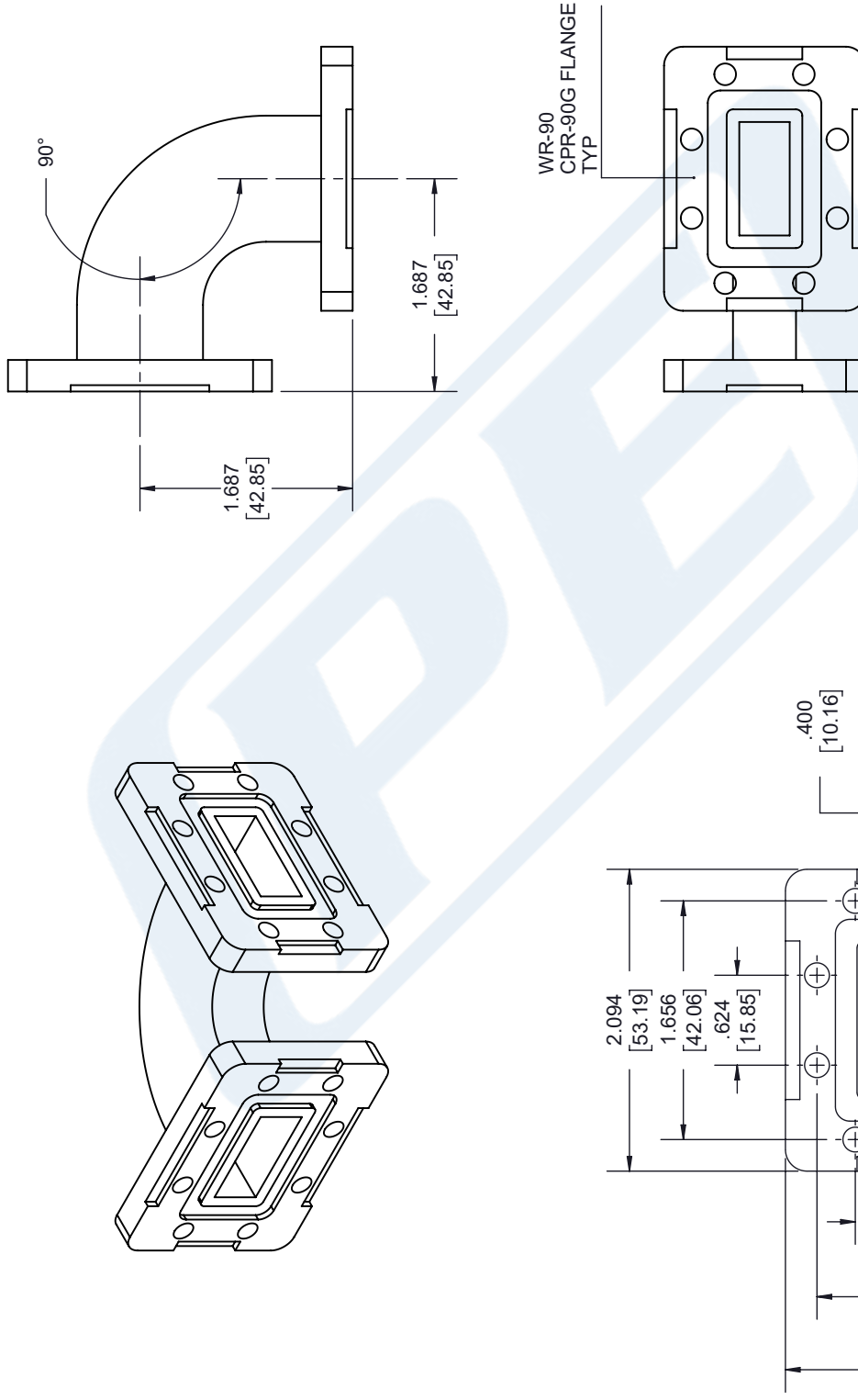
URL: <https://www.pasternack.com/wr-90-waveguide-h-bend-cpr-90g-flange-8.2-12.4-ghz-pe-w90b004a-p.aspx>

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-W90B004A CAD Drawing

WR-90 Waveguide H-Bend with CPR-90G Flange Operating from 8.2 GHz to 12.4 GHz

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	10/14/2020	S.PONG



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SCALE N/A		REV A
ITEM NO. PE-W90B004A		SIZE A
CAGE CODE 53919		DRAWN BY K.DANG
UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS		TOLERANCES:
X = ± .2 [5.08]		FRACTIONS ± 1/32
.XX = ± .02 [.51]		ANGLES ± 1°
.XXX = ± .005 [.13]		CABLE LENGTH (L) TOLERANCES:
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		ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.



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

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