



WR-15 Waveguide H-Bend Instrumentation Grade Using UG-385/U Flange With a 50 GHz to 75 GHz Frequency Range

TECHNICAL DATA SHEET

PE-W15B002A

Pasternack carries a wide variety of waveguide bends ranging from WR-12 to WR-137. These waveguide bends include grooved and non-grooved designs. Standard waveguide bends are available in E-Bend and H-Bend configurations. For ease of identification, our commercial grade waveguide bends are painted grey while our instrumentation grade waveguide bends are gold plated. Our instrumentation grade waveguide bends were designed with precision tolerances of ± 0.001 " and constructed of a high grade oxygen free hard copper to ensure repeatable RF performance.

- Commercial grade and instrumentation grade sections and bends covering frequency ranges from 5.8 GHz to 90 GHz
- Wide variety of flange types, including grooved and non-grooved designs.
- Precision waveguide mechanical tolerances of ± 0.001 "
- Comprehensive waveguide offering also includes Bends, Filters, Terminations, and Waveguide to Coaxial Adapters.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	50		75	GHz
VSWR		1.12:1		
Insertion Loss		3	3	dB

Mechanical Specifications

Waveguide Size

WR-15

Description	Flange 1	Waveguide	Flange 2
Flange Type	Round Cover		Round Cover
Flange Designation	UG-385/U	WR-15	UG-385/U
Material	Oxygen Free Hard Copper	Oxygen Free Hard Copper	Oxygen Free Hard Copper
Plating	Gold	Gold	Gold

Size

Weight

0.5 lbs [226.8 g]

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

Plotted and Other Data

Notes:

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: WR-15 Waveguide H-Bend Instrumentation Grade Using UG-385/U Flange With a 50 GHz to 75 GHz Frequency Range PE-W15B002A



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WR-15 Waveguide H-Bend Instrumentation Grade Using UG-385/U Flange With a 50 GHz to 75 GHz Frequency Range 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-15 Waveguide H-Bend Instrumentation Grade Using UG-385/U Flange With a 50 GHz to 75 GHz Frequency Range PE-W15B002A](https://www.pasternack.com/wr-15-waveguide-h-bend-ug-385-flange-50-75-ghz-pe-w15b002a-p.aspx)

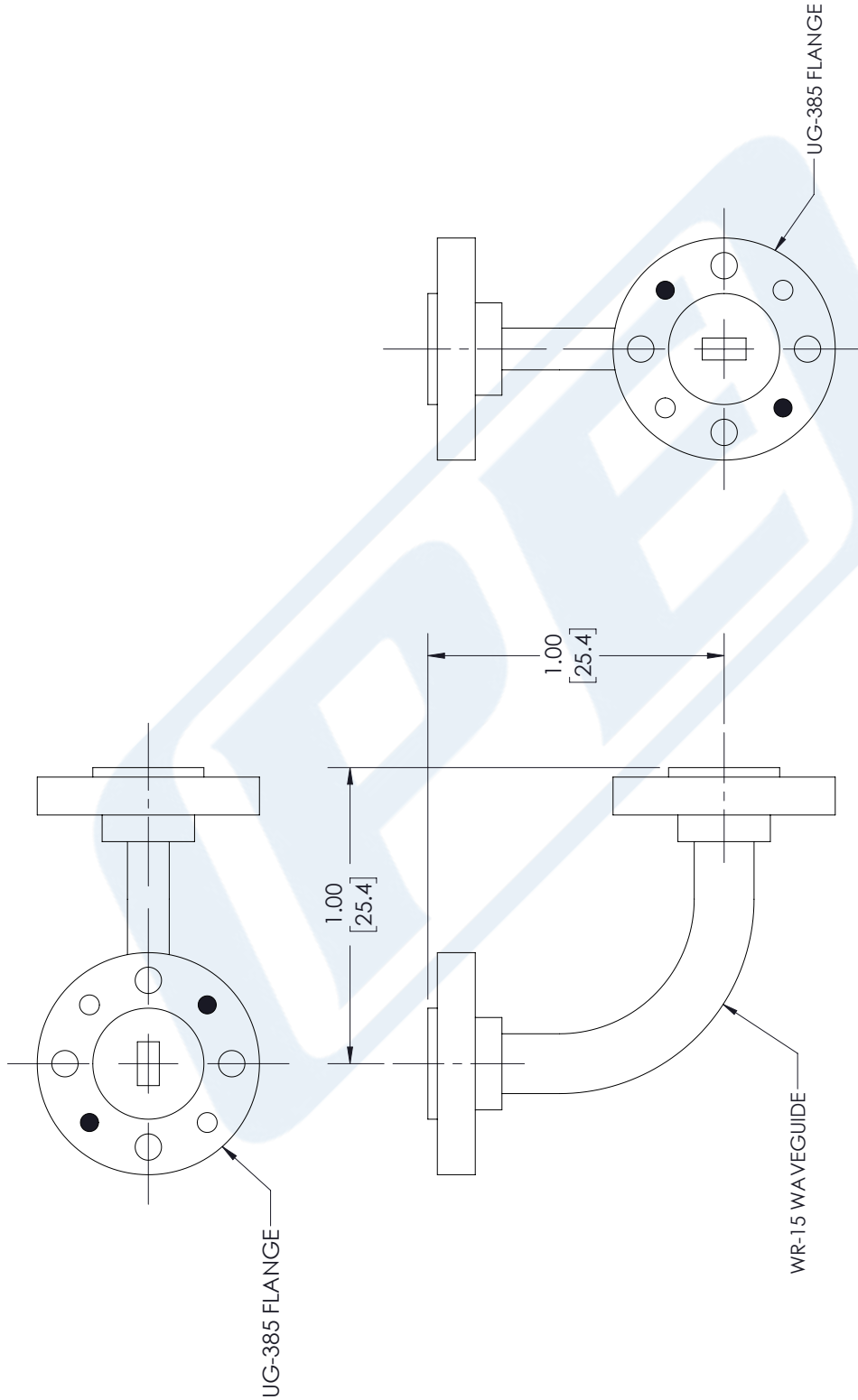
URL: <https://www.pasternack.com/wr-15-waveguide-h-bend-ug-385-flange-50-75-ghz-pe-w15b002a-p.aspx>

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-W15B002A CAD Drawing

WR-15 Waveguide H-Bend Instrumentation Grade Using UG-385/U Flange With a 50 GHz to 75 GHz Frequency Range

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	03/30/2022	SPONG



UNLESS OTHERWISE SPECIFIED
LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [] ARE MILLIMETERS

TOLERANCES:

.X = ± .2 [5.08] FRACTIONS
.XX = ± .02 [.51] ± 1/32
.XXX = ± .005 [.13] ANGLES ± 1°

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.

THIRD-ANGLE PROJECTION



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SHEET 1 OF 1

SCALE N/A

REV A

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an INFINITE brand

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ITEM NO. PE-W15B002A

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CAGE CODE 53919

SIZE A

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