



## WR-10 Instrumentation Grade Waveguide H-Bend with UG-387/U-Mod Flange Operating from 75 GHz to 110 GHz

### TECHNICAL DATA SHEET

**PE-W10B002**

PE-W10B002 is a WR-10 waveguide bend that is a H-Plain Bend type with a UG-387/U-Mod Round Cover flange. This WR-10 H-Bend waveguide with UG-387/U-Mod flange from Pasternack is Instrumentation grade. Our WR-10 Instrumentation grade waveguide bend has a minimum frequency of 75 GHz and a maximum frequency of 110 GHz. WR-10 waveguide bend PE-W10B002 is part of over 40,000 RF, microwave and millimeter wave components available from Pasternack. This Instrumentation grade WR-10 H-Bend waveguide with UG-387/U-Mod flange can ship worldwide the same day as it is purchased as with our other available RF parts.

- WR-10 Waveguide H-Plain Bend
- UG-387/U-Mod Round Cover Flange
- 75 GHz to 110 GHz Frequency Ranges
- Comprehensive waveguide offerings also includes Waveguide Sections, Waveguide to Coax Adapters, Filters, Terminations, and more.

#### Electrical Specifications

| Description     | Minimum | Typical | Maximum | Units |
|-----------------|---------|---------|---------|-------|
| Frequency Range | 75      |         | 110     | GHz   |
| VSWR            |         |         | 1.1:1   |       |
| Insertion Loss  |         | 0.21    |         | dB    |

#### Mechanical Specifications

Waveguide Size: WR-10  
Waveguide Design: Instrumentation Grade

| Description        | Flange 1                    | Waveguide                   | Flange 2                    |
|--------------------|-----------------------------|-----------------------------|-----------------------------|
| Flange Type        | Round Cover                 |                             | Round Cover                 |
| Flange Designation | UG-387/U-Mod                | WR-10                       | UG-387/U-Mod                |
| Material           | Oxygen Free Hard Copper     | Oxygen Free Hard Copper     | Oxygen Free Hard Copper     |
| Plating            | Hard Gold over Copper Flash | Hard Gold over Copper Flash | Hard Gold over Copper Flash |

Size: 0.058 lbs [26.31 g]  
Weight:

**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-10 Instrumentation Grade Waveguide H-Bend with UG-387/U-Mod Flange Operating from 75 GHz to 110 GHz PE-W10B002



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WR-10 Instrumentation Grade Waveguide H-Bend with UG-387/U-Mod Flange Operating from 75 GHz to 110 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.

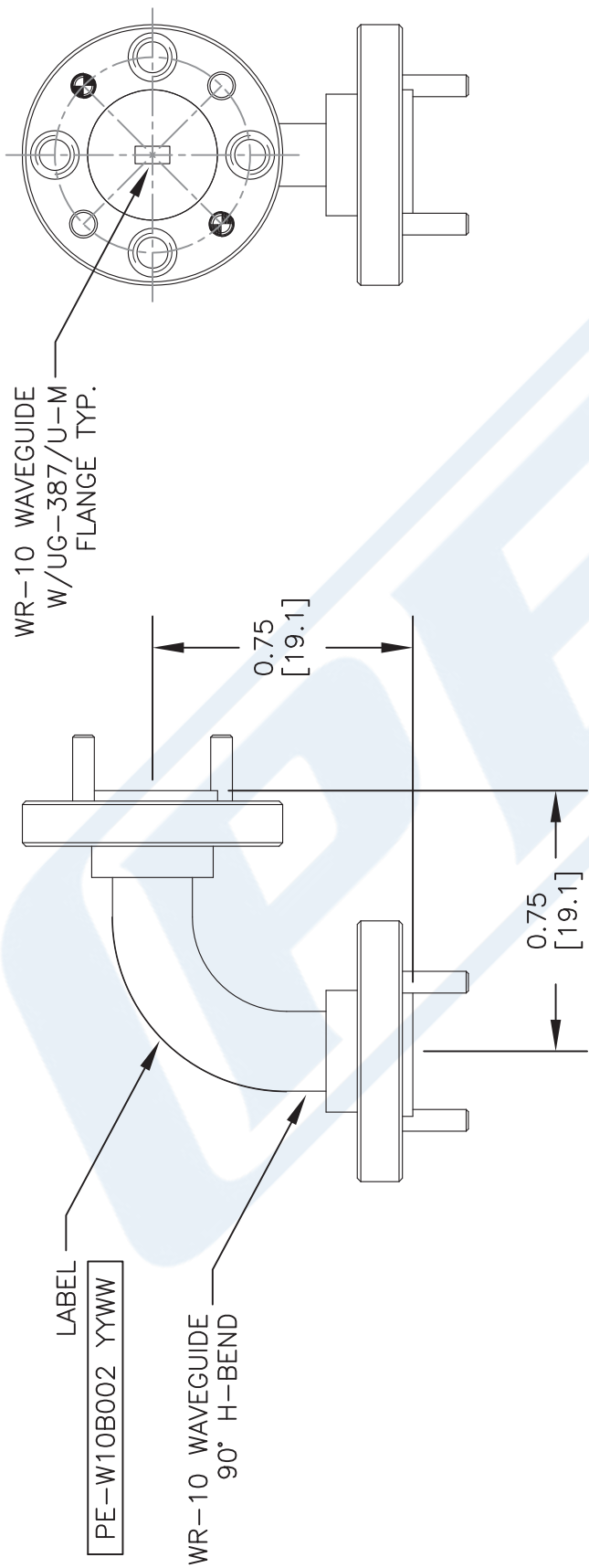
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [WR-10 Instrumentation Grade Waveguide H-Bend with UG-387/U-Mod Flange Operating from 75 GHz to 110 GHz PE-W10B002](https://www.pasternack.com/wr-10-waveguide-h-bend-ug-387-mod-flange-75-110-ghz-pe-w10b002-p.aspx)

URL: <https://www.pasternack.com/wr-10-waveguide-h-bend-ug-387-mod-flange-75-110-ghz-pe-w10b002-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-W10B002 CAD Drawing

WR-10 Instrumentation Grade Waveguide H-Bend with UG-387/U-Mod Flange Operating from 75 GHz to 110 GHz



UNLESS OTHERWISE SPECIFIED:  
DIMENSIONS ARE IN: inches [mm]  
TOLERANCES ARE:  
DECIMALS ANGLES FRACTIONS  
.XX ±.01 ±1/2° ± 1/64  
.XXX [±.25] [± 127/320]  
XXX ±.005 [±.127]

\* THESE DIMENSIONS AND TOLERANCES SUPERSEDE NOTE #1 ON TITLE BLOCK.



**PASTERNAK®**  
THE ENGINEER'S RF SOURCE

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DWG TITLE  
**PE-W10B002**

NOTES:  
1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.  
2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.  
3. DIMENSIONS ARE IN INCHES [mm].

CAGE CODE 53919

CAD FILE 122816

SCALE N/A

SIZE A

2233