



## WR-75 Waveguide Pressure Window, UG Cover and UG Grooved Flanges, Brass

### Waveguide Accessories Technical Data Sheet

PEWGP1009

#### Features

- WR-75 Waveguide
- Operating Frequency Range from 9.84 GHz to 15 GHz
- UG Cover and UG Grooved Flanges
- 1.25:1 Max VSWR
- 500 Watts (CW) Max Power Handling
- Insertion loss: 0.25 dB Max
- Thickness: 0.79 inches
- PTFE window material
- Pressure Handling Capability: 29 PSI Max

#### Applications

- Radar Systems
- Military and Space
- Wireless Radio Systems
- Communication Systems
- R&D Labs
- Microwave Radio Systems

#### Description

Waveguide pressure windows are used to isolate pressurized components from non-pressurized components within a waveguide system. They can also provide protection against contaminants (debris, moisture and dust) from entering the waveguide system and degrading its RF performance. The PEWGP1009 is a WR-75 waveguide pressure windows that operates in the frequency range of 9.84 GHz to 15 GHz. This WR-75 waveguide termination has a Max VSWR of 1.25:1. This waveguide pressure window is made of annealed copper and incorporates UG Cover and UG Grooved flange interface. Waveguide pressure windows are part of Pasternack's comprehensive waveguide product offerings which are available in stock and ready for same-day shipment.

#### Electrical Specifications

| Description     | Minimum | Typical | Maximum | Units |
|-----------------|---------|---------|---------|-------|
| Frequency Range | 9.84    |         | 15      | GHz   |
| VSWR            |         |         | 1.25:1  |       |
| Insertion Loss  |         |         | 0.25    | dB    |
| Input Power     |         |         | 500     | Watts |

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 Pressure Window, UG Cover and UG Grooved Flanges, Brass PEWGP1009](#)



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#### Mechanical Specifications

|               |                      |
|---------------|----------------------|
| Body Material | Copper Brass         |
| Body Finish   | Passivation          |
| Length        | 1.496 in [38][mm]    |
| Width         | 1.496 in [38][mm]    |
| Height        | 0.787 in [19.99][mm] |
| Weight        | 0.22 lbs [99.79][g]  |

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

WR-75 Waveguide Pressure Window, UG Cover and UG Grooved Flanges, Brass 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.

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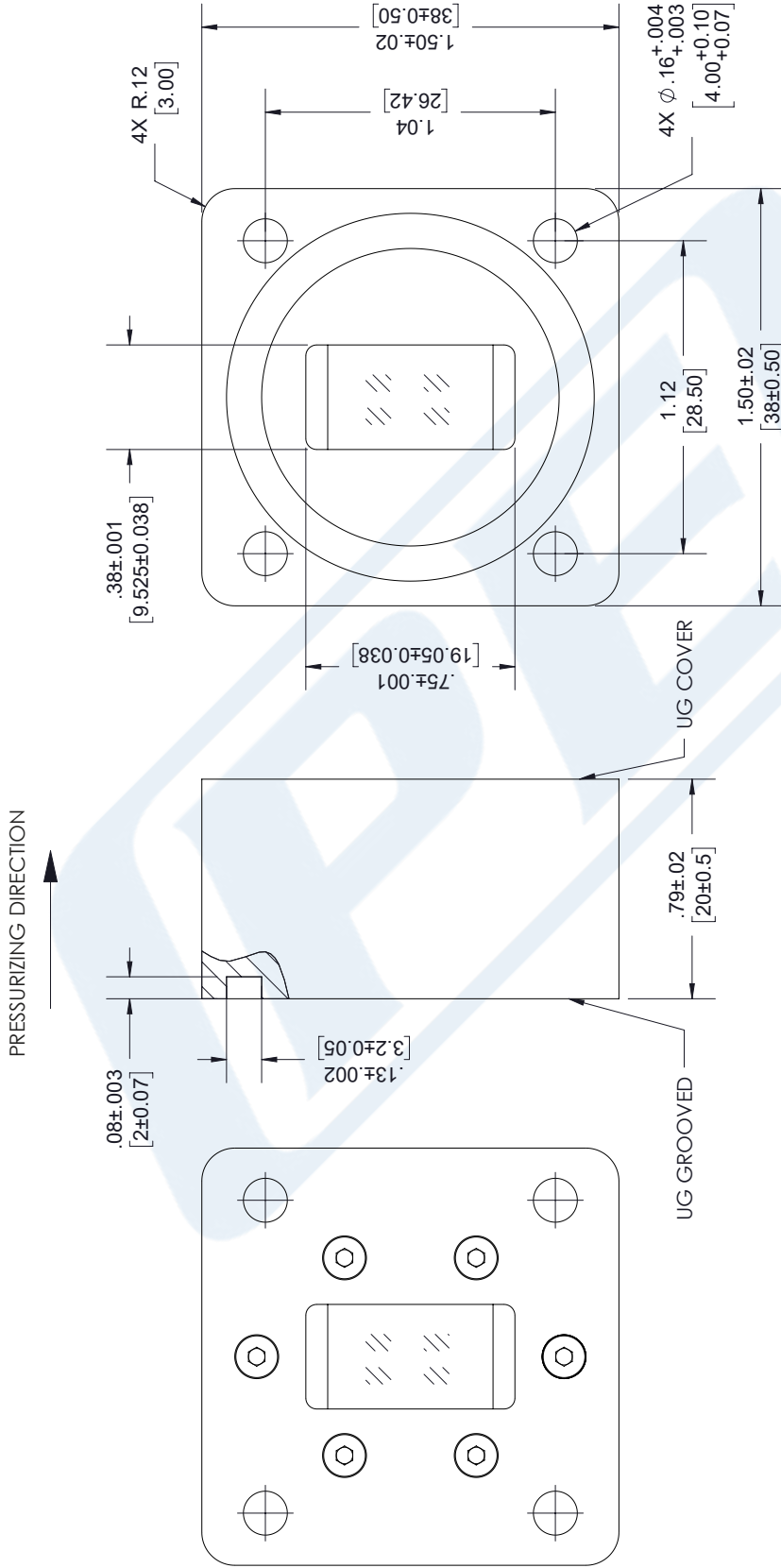
URL: <https://www.pasternack.com/pewgp1009-p.aspx>

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.

# PEWGP1009 CAD Drawing

WR-75 Waveguide Pressure Window, UG Cover and UG Grooved Flanges, Brass

| REVISIONS |                 |            |          |
|-----------|-----------------|------------|----------|
| REV.      | DESCRIPTION     | DATE       | APPROVED |
| A         | INITIAL RELEASE | 15-04-2021 | SPONG    |



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|---|--|--|--|
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| SHEET 1 OF 1<br>SCALE N/A   |  | REV A  |  |
| SIZE A<br>CAGE DRAWN BY<br>53919 MVEERAPPAN   |  | PART NUMBER<br>PEWGP1009   |  |
| UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE IN INCHES DIMENSIONS IN [ ] ARE MILLIMETERS<br>TOLERANCES:<br>X±.2 [5.08] FRACTIONS<br>XX±.01 [ .25] ±.132<br>XXX±.005 [ .13] ANGLES ± 1°<br>ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.<br>THIRD-ANGLE PROJECTION |  |  |  |

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