



WR-28 Waveguide Pressure Window, UG-599/U
and UG-599/U-Grooved Flanges, Brass

Waveguide Accessories Technical Data Sheet

PEWGP1014

Features

- WR-28 Waveguide
- Operating Frequency Range from 26.5 GHz to 40 GHz
- UG-599/U and UG-599/U-Grooved Flanges
- 1.25:1 Max VSWR
- 100 Watts (CW) Max Power Handling
- Insertion loss: 0.3 dB Max
- Thickness: 0.59 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 PEWGP1014 is a WR-28 waveguide pressure windows that operates in the frequency range of 26.5 GHz to 40 GHz. This WR-28 waveguide termination has a Max VSWR of 1.25:1. This waveguide pressure window is made of annealed copper and incorporates UG-599/U and UG-599/U-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	26.5		40	GHz
VSWR			1.25:1	
Insertion Loss			0.3	dB
Input Power			100	Watts

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [WR-28 Waveguide Pressure Window, UG-599/U and UG-599/U-Grooved Flanges, Brass PEWGP1014](#)



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Mechanical Specifications

Body Material	Copper Brass
Body Finish	Gold
Length	0.752 in [19.1][mm]
Width	0.752 in [19.1][mm]
Height	0.59 in [14.99][mm]
Weight	0.11 lbs [49.9][g]

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

WR-28 Waveguide Pressure Window, UG-599/U and UG-599/U-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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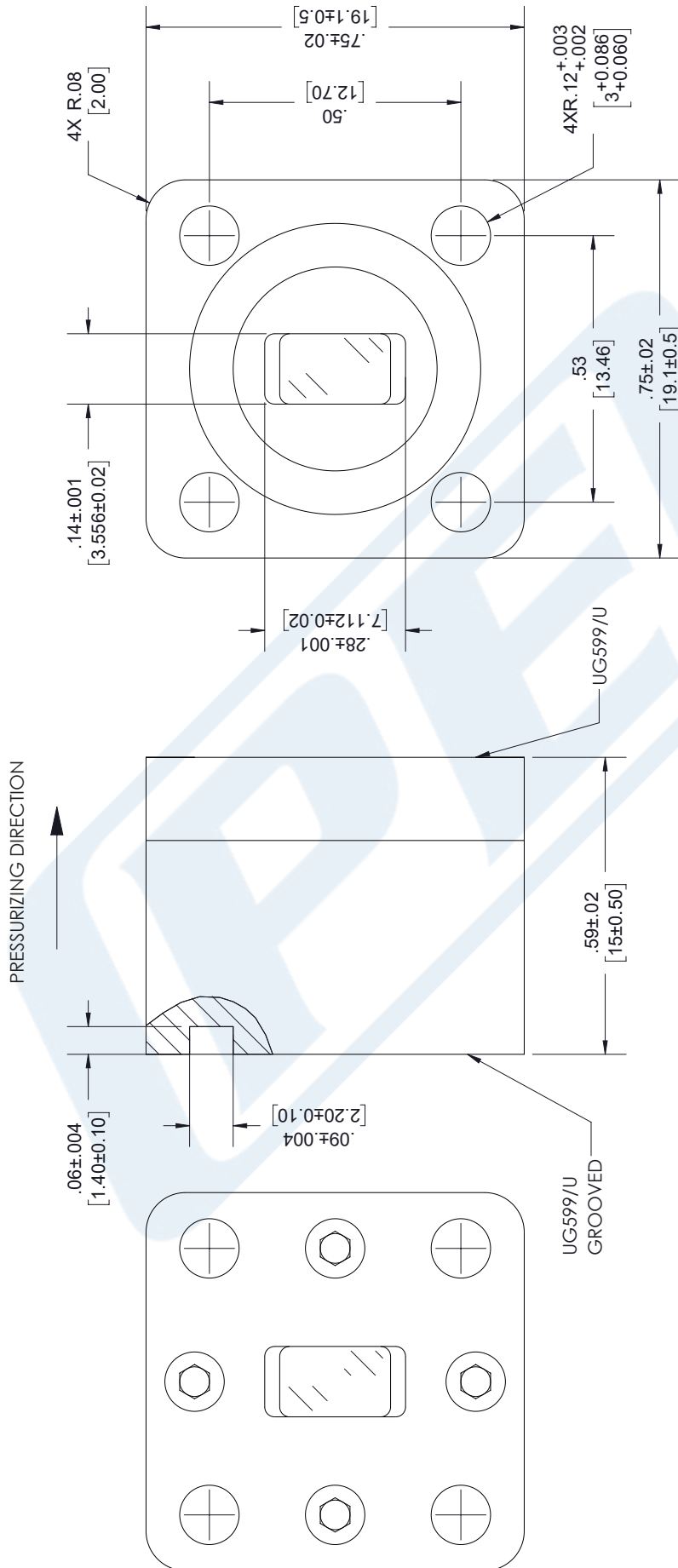
URL: <https://www.pasternack.com/pewgp1014-p.aspx>

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.

PEWGP1014 CAD Drawing

WR-28 Waveguide Pressure Window, UG-599/U and UG-599/U-Grooved Flanges, Brass

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



<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>[5.08]</td> <td>FRACTIONS</td> </tr> <tr> <td>.XX±.01</td> <td>[.25]</td> <td>±.132</td> </tr> <tr> <td>.XXX±.005</td> <td>[.13]</td> <td>ANGLES ± 1°</td> </tr> </table> <p>ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.</p> <p>THIRD-ANGLE PROJECTION</p>	X±.2	[5.08]	FRACTIONS	.XX±.01	[.25]	±.132	.XXX±.005	[.13]	ANGLES ± 1°	<p>PE PASTERNAK an INFINITO 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 www.pasternack.com e-mail: sales@pasternack.com</p>	<p>THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF PASTERNAK CORPORATION. ALL RIGHTS RESERVED.</p>
	X±.2	[5.08]	FRACTIONS								
.XX±.01	[.25]	±.132									
.XXX±.005	[.13]	ANGLES ± 1°									
<p>SHEET 1 OF 1</p> <p>SCALE N/A</p>	<p>REV A</p>										
<p>SIZE A</p> <p>CAGE DRAWN BY</p> <p>53919 MVEERAPPAN</p>	<p>PART NUMBER</p> <p>PEWGP1014</p>										

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