



WR-137 Waveguide Pressure Window, CPR137F and CPR137G Flanges, Brass

Waveguide Accessories Technical Data Sheet

PEWGP1005

Features

- WR-137 Waveguide
- Operating Frequency Range from 5.38 GHz to 8.17 GHz
- CPR137F and CPR137G Flanges
- 1.25:1 Max VSWR
- 1000 Watts (CW) Max Power Handling
- Insertion loss: 0.2 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 PEWGP1005 is a WR-137 waveguide pressure windows that operates in the frequency range of 5.38 GHz to 8.17 GHz. This WR-137 waveguide termination has a Max VSWR of 1.25:1. This waveguide pressure window is made of annealed copper and incorporates CPR137F and CPR137G 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	5.38		8.17	GHz
VSWR			1.25:1	
Insertion Loss			0.2	dB
Input Power			1,000	kWatts

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [WR-137 Waveguide Pressure Window, CPR137F and CPR137G Flanges, Brass PEWGP1005](#)



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Mechanical Specifications

Body Material	Copper Brass
Body Finish	Passivation
Length	2.688 in [68.28][mm]
Width	1.937 in [49.2][mm]
Height	0.787 in [19.99][mm]
Weight	0.902 lbs [409.14][g]

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

WR-137 Waveguide Pressure Window, CPR137F and CPR137G 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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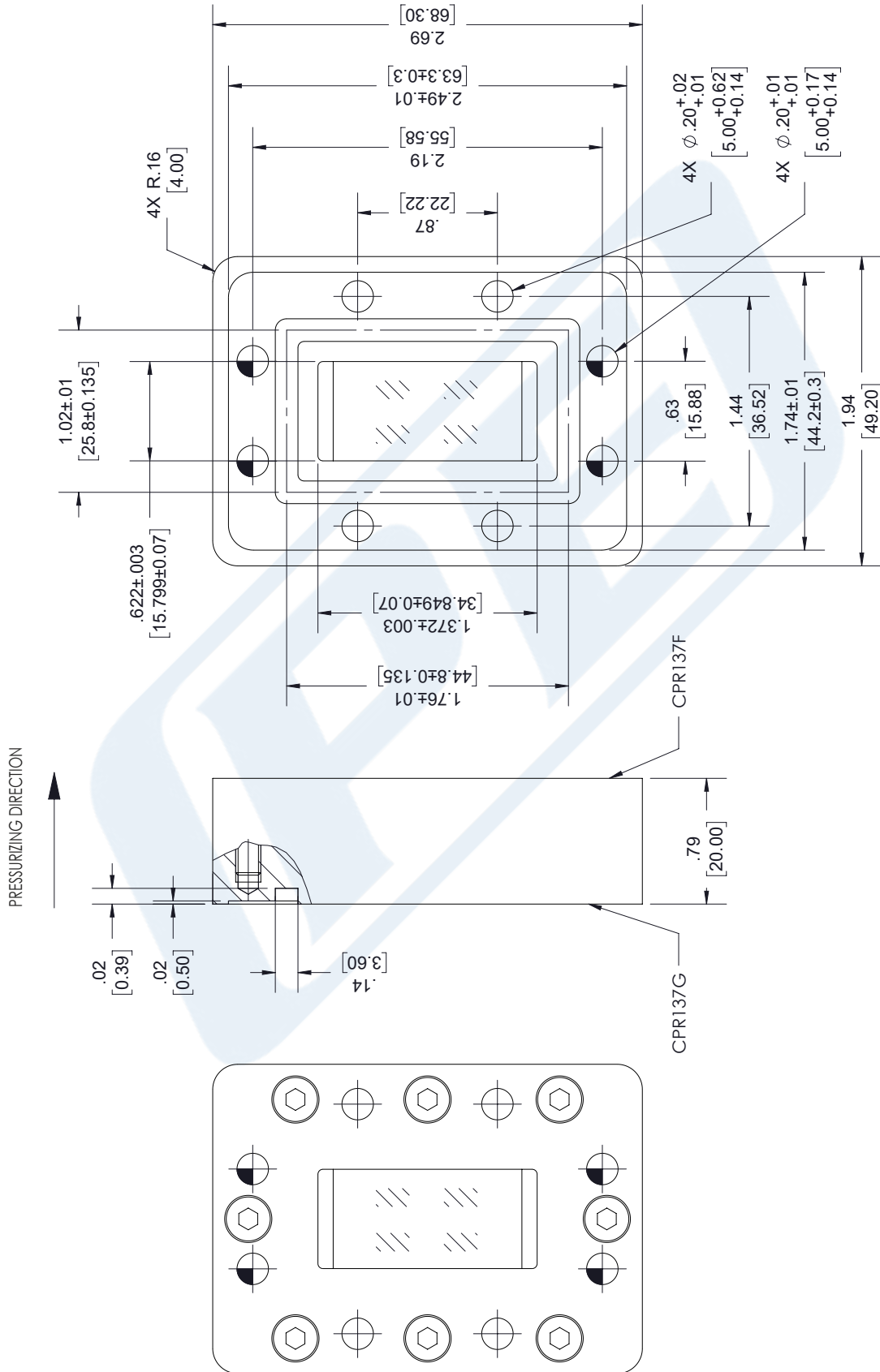
URL: <https://www.pasternack.com/pewgp1005-p.aspx>

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.

PEWGP1005 CAD Drawing

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



PE PASTERNAK an INFINITO brand 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		THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF PASTERNAK CORPORATION. ALL RIGHTS RESERVED.	
SHEET 1 OF 1 SCALE N/A		REV A	
SIZE A CAGE DRAWN BY PART NUMBER 53919 MVEERAPPAN		PEWGP1005	
UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS TOLERANCES: X±.2 [5.08] XX±.01 [.25] XXX±.005 [.13] FRACTIONS ±.132 ANGLES ± 1° ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY. THIRD-ANGLE PROJECTION			

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