



WR-90 Waveguide Pressurizing Section 4.25 Inch Length,  
CPR-90G Grooved Flange from 8.2 GHz to 12.4 GHz

TECHNICAL DATA SHEET

PEWSP1008

The PEWSP1008 is a pressurizing section for WR-90 waveguides with CPR-90 Grooved flanges. The pressure section has a pressure gauge to monitor the internal pressure. The pressure gauge will read up to 15 PSI. It also has a pressure inlet valve which is a Schrader 1/8-27 NPTF with protective metal cap. The PEWSP1008 is part of a family of pressure inlets with pressure gauges. Used with Pasternack's gasket kits it allows for waveguide systems to be pressurized with air or other gasses. These are quality built units with VSWR of 1.08:1 or less.

**Features**

- Pressurizing Waveguide Section
- 0-15 PSI Pressure Gauge
- 8.2 GHz to 12.4 GHz Frequency Range
- CPR-90 Grooved Flange
- Waveguide Body made of Bronze with Brass Flanges
- Low VSWR

**Applications**

- Test Benches
- Radar
- Satellite
- Microwave Radio
- High Power

**Electrical Specifications**

Description	Minimum	Typical	Maximum	Units
Frequency Range	8.2		12.4	GHz
VSWR		1.07:1		

**Mechanical Specifications**

Waveguide Size	WR-90
Waveguide Design	Standard
Section Length	4.25 in [107.95 mm]

Description	Flange 1	Waveguide	Flange 2
Flange Type	CPR-90G		CPR-90G
Flange Designation	None	WR-90	None
Material		Bronze	

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

Notes:

- Values at +25 °C, sea level

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: WR-90 Waveguide Pressurizing Section 4.25 Inch Length, CPR-90G Grooved Flange from 8.2 GHz to 12.4 GHz PEWSP1008

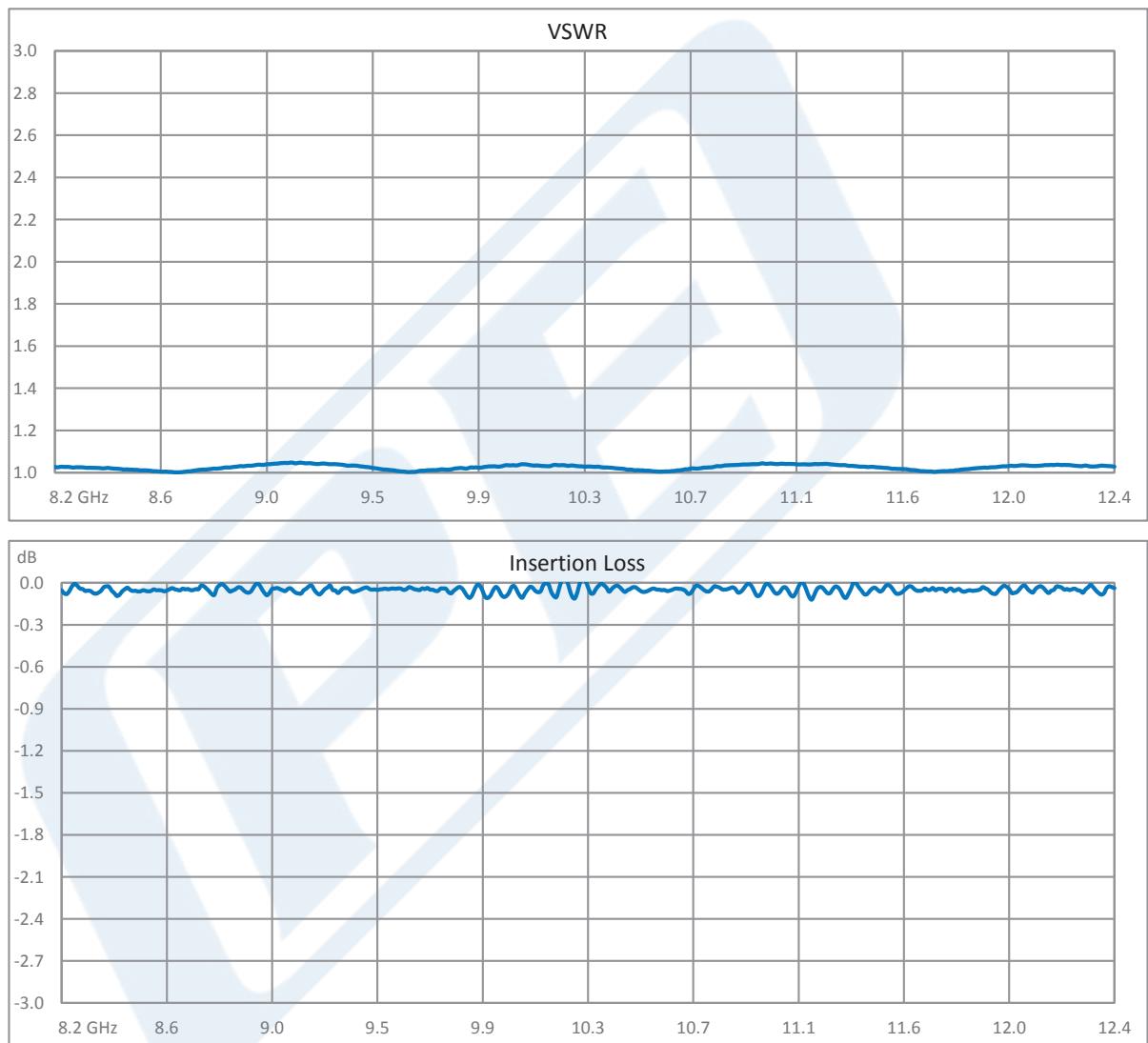


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Power Data



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WR-90 Waveguide Pressurizing Section 4.25 Inch Length, CPR-90G Grooved Flange from 8.2 GHz to 12.4 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.

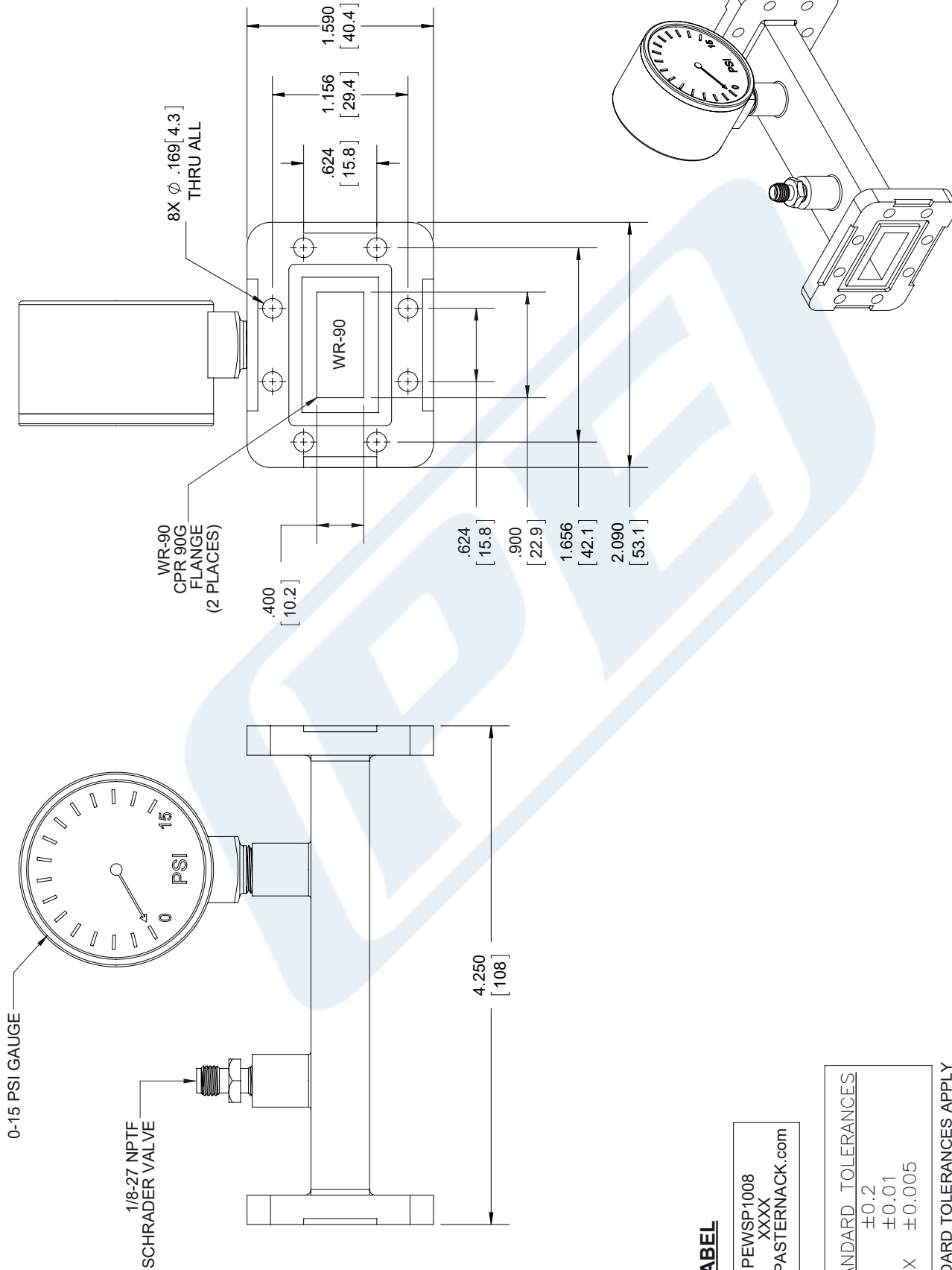
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [WR-90 Waveguide Pressurizing Section 4.25 Inch Length, CPR-90G Grooved Flange from 8.2 GHz to 12.4 GHz PEWSP1008](https://www.pasternack.com/wr-90-standard-straight-waveguide-section-cpr-90g-grooved-pewsp1008-p.aspx)

URL: <https://www.pasternack.com/wr-90-standard-straight-waveguide-section-cpr-90g-grooved-pewsp1008-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.

# PEWSP1008 CAD Drawing

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## PE LABEL

PEWSP1008  
XXXX  
www.PASTERNAK.com

### STANDARD TOLERANCES

.X ±0.2  
.XX ±0.01  
.XXX ±0.005

\*STANDARD TOLERANCES APPLY  
ONLY TO DIMENSIONS IN INCHES



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### DWG TITLE

PEWSP1008

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 062017

SCALE N/A

SIZE A

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