



4 Watts Low Power Commercial Grade  
WR-90 Waveguide Load 8.2 GHz to 12.4 GHz

Waveguide Terminations Technical Data Sheet

PEWTR1007

**Features**

- WR-90
- 8.2 GHz to 12.4 GHz
- CPR-90G Flange
- 1.02:1 Typical VSWR
- 4 Watts Average Power Handling

**Applications**

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

**Description**

The PEWTR1007 is a WR-90 waveguide termination / load that operates in the frequency range of 8.2 GHz to 12.4 GHz. This WR-90 waveguide termination has a typical VSWR of 1.02:1. These waveguide termination designs are made of painted brass copper and incorporate a standard CPR-90G flanges.

Pasternack waveguide terminations / loads are designed so virtually all applied power is absorbed, thus assuring a low VSWR. The power rating on this WR-90 termination is 4 watts, other detailed specifications and a diagram drawing can be found on this datasheet PDF below. Pasternack offers a complete family of waveguide terminations that are in-stock for same day shipment.

**Electrical Specifications**

Description	Minimum	Typical	Maximum	Units
Frequency Range	8.2		12.4	GHz
VSWR		1.02:1		
Input Power (CW)			4	Watts

**Mechanical Specifications**

Weight 0.41 lbs [185.97 g]

Description	Flange	Waveguide
Designation	None	WR-90
Type	CPR-90G	
Material	Brass	Brass

**Environmental Specifications**

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [4 Watts Low Power Commercial Grade WR-90 Waveguide Load 8.2 GHz to 12.4 GHz PEWTR1007](#)



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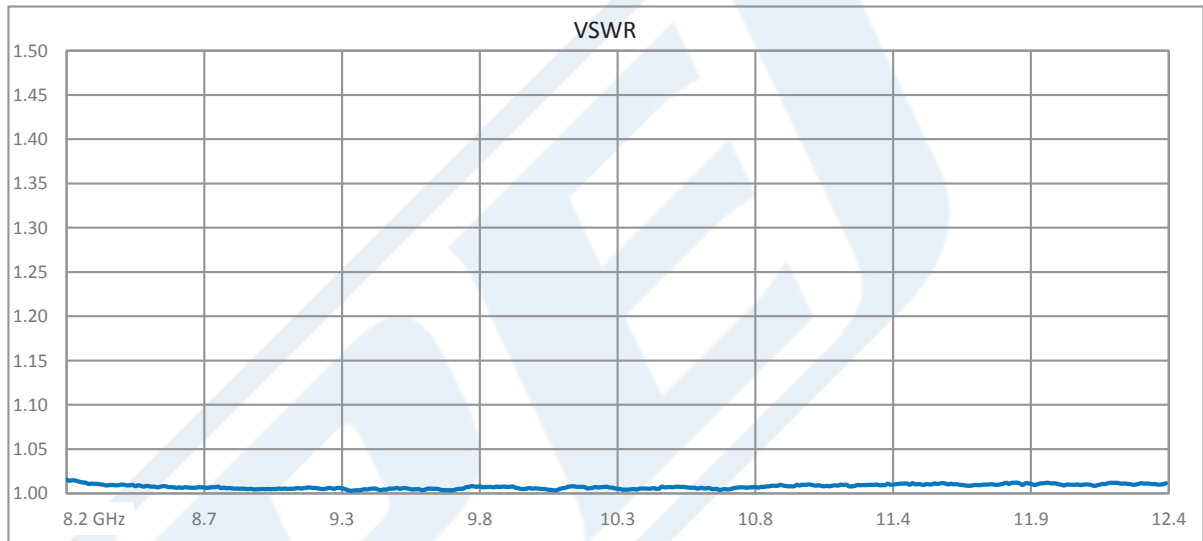
PEWTR1007

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

**Plotted and Other Data**

Notes:

**Typical Performance Data**



4 Watts Low Power Commercial Grade WR-90 Waveguide Load 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% availability and are part of the broadest selection in the industry.

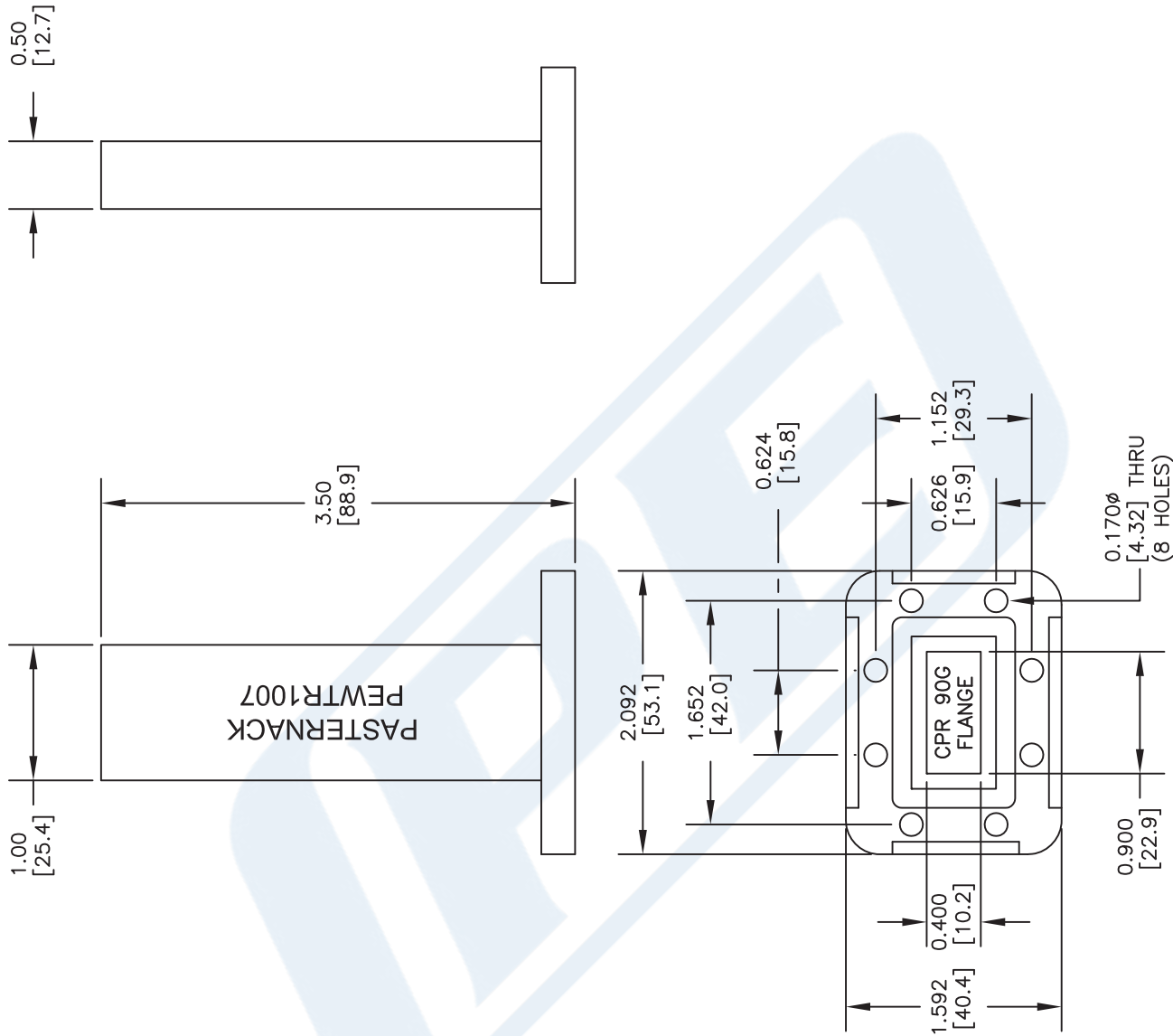
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [4 Watts Low Power Commercial Grade WR-90 Waveguide Load 8.2 GHz to 12.4 GHz PEWTR1007](#)

URL: <https://www.pasternack.com/4-watts-wr-90-rf-load-8.2-12.4-ghz-commercial-grade-pewtr1007-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.

# PEWTR1007 CAD Drawing

4 Watts Low Power Commercial Grade WR-90 Waveguide Load 8.2 GHz to 12.4 GHz



### STANDARD TOLERANCES

.X ±0.2  
.XX ±0.1  
.XXX ±0.05

\*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

DWG TITLE

**PEWTR1007**

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].

**PE PASTERNAK®**  
THE ENGINEER'S RF SOURCE  
Pasternack Enterprises, Inc.  
P.O. Box 16759 | Irvine | CA | 92623  
Phone: (949) 261-1920 | Fax: (949) 261-7451  
Website: www.pasternack.com | E-Mail: sales@pasternack.com

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CAD FILE 121916

SCALE N/A

SIZE A

2233