



2 Watts WR-90 Waveguide Load 9 GHz to 10 GHz,
Aluminum with UG Square Cover Flange

Waveguide Terminations Technical Data Sheet

PE-W90TR1001

Features

- WR-90 Waveguide
- Operating Frequency Range from 9 GHz to 10 GHz
- UG Square Cover Flange Flange
- 1.05:1 Max VSWR
- 2 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 PE-W90TR1001 is a WR-90 waveguide termination/load that operates in the frequency range of 9 GHz to 10 GHz. This WR-90 waveguide termination has a Max VSWR of 1.05:1. This waveguide termination design is made of painted aluminum and incorporates a standard UG Square Cover flange. Waveguide terminations 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		10	GHz
VSWR			1.05:1	
Input Power (CW)			2	Watts

Mechanical Specifications

Size

Length	1.18 in [29.97 mm]
Width/Dia.	1.63 in [41.4 mm]
Height	1.63 in [41.4 mm]

Description	Flange	Waveguide
Designation	UG-135/U	WR-90
Type	Square Cover	
Material	Aluminum	Aluminum
Plating		Chromate
Finish		Grey paint

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [2 Watts WR-90 Waveguide Load 9 GHz to 10 GHz, Aluminum with UG Square Cover Flange PE-W90TR1001](#)



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Environmental Specifications

Temperature

Operating Range

-40 to +70 deg C

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

Notes:

2 Watts WR-90 Waveguide Load 9 GHz to 10 GHz, Aluminum with UG Square Cover Flange 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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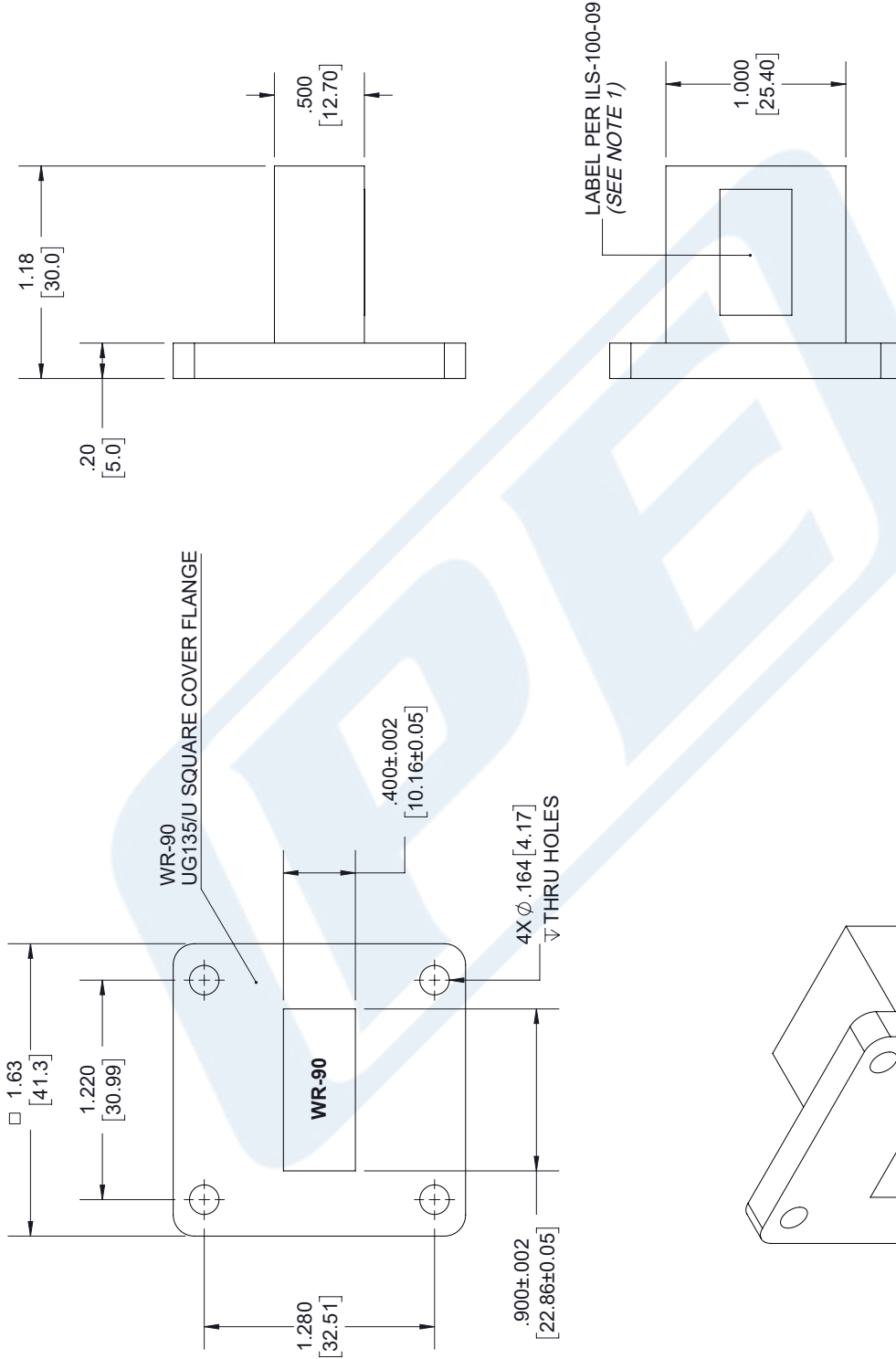
URL: <https://www.pasternack.com/2-watts-wr-90-rf-load-9-10-ghz-instrumentation-grade-pe-w90tr1001-p.aspx>

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.

PE-W90TR1001 CAD Drawing

2 Watts WR-90 Waveguide Load 9 GHz to 10 GHz,
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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	3/30/2021	S.PONG



UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS

TOLERANCES:
 .X = ± .2 [5.08] FRACTIONS ± 1/32
 .XX = ± .02 [.51] ANGLES ± 1°
 .XXX = ± .005 [.13]
 CABLE LENGTH (L) TOLERANCES:
 L ≤ 12 [305] = +1 [25] / -0
 12 [305] < L ≤ 60 [1524] = +2 [51] / -0
 60 [1524] < L ≤ 120 [3048] = +4 [102] / -0
 120 [3048] < L ≤ 300 [7620] = +6 [152] / -0
 300 [7620] < L = +5% / L / -0

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

THIRD-ANGLE PROJECTION

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SHEET 1 OF 1
SCALE N/A

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SIZE A CAGE CODE A DRAWN BY K.DANG ITEM NO. PE-W90TR1001 REV A

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