



1 Watt WR-42 Waveguide Load 19.6 GHz to 21.2 GHz, Aluminum with UG Square Cover Flange

Waveguide Terminations Technical Data Sheet

PE-W42TR1002

Features

- WR-42 Waveguide
- Operating Frequency Range from 19.6 GHz to 21.2 GHz
- UG Square Cover Flange
- 1.15:1 Max VSWR
- 1 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-W42TR1002 is a WR-42 waveguide termination/load that operates in the frequency range of 19.6 GHz to 21.2 GHz. This WR-42 waveguide termination has a Max VSWR of 1.15:1. 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	19.6		21.2	GHz
VSWR			1.15:1	
Input Power (CW)			1	Watt

Mechanical Specifications

Size	
Length	0.79 in [20.07 mm]
Width/Dia.	0.88 in [22.35 mm]
Height	0.88 in [22.35 mm]

Description	Flange	Waveguide
Designation	UG-597/U	WR-42
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: [1 Watt WR-42 Waveguide Load 19.6 GHz to 21.2 GHz, Aluminum with UG Square Cover Flange PE-W42TR1002](#)



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Environmental Specifications

Temperature

Operating Range

-40 to +70 deg C

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

Notes:

1 Watt WR-42 Waveguide Load 19.6 GHz to 21.2 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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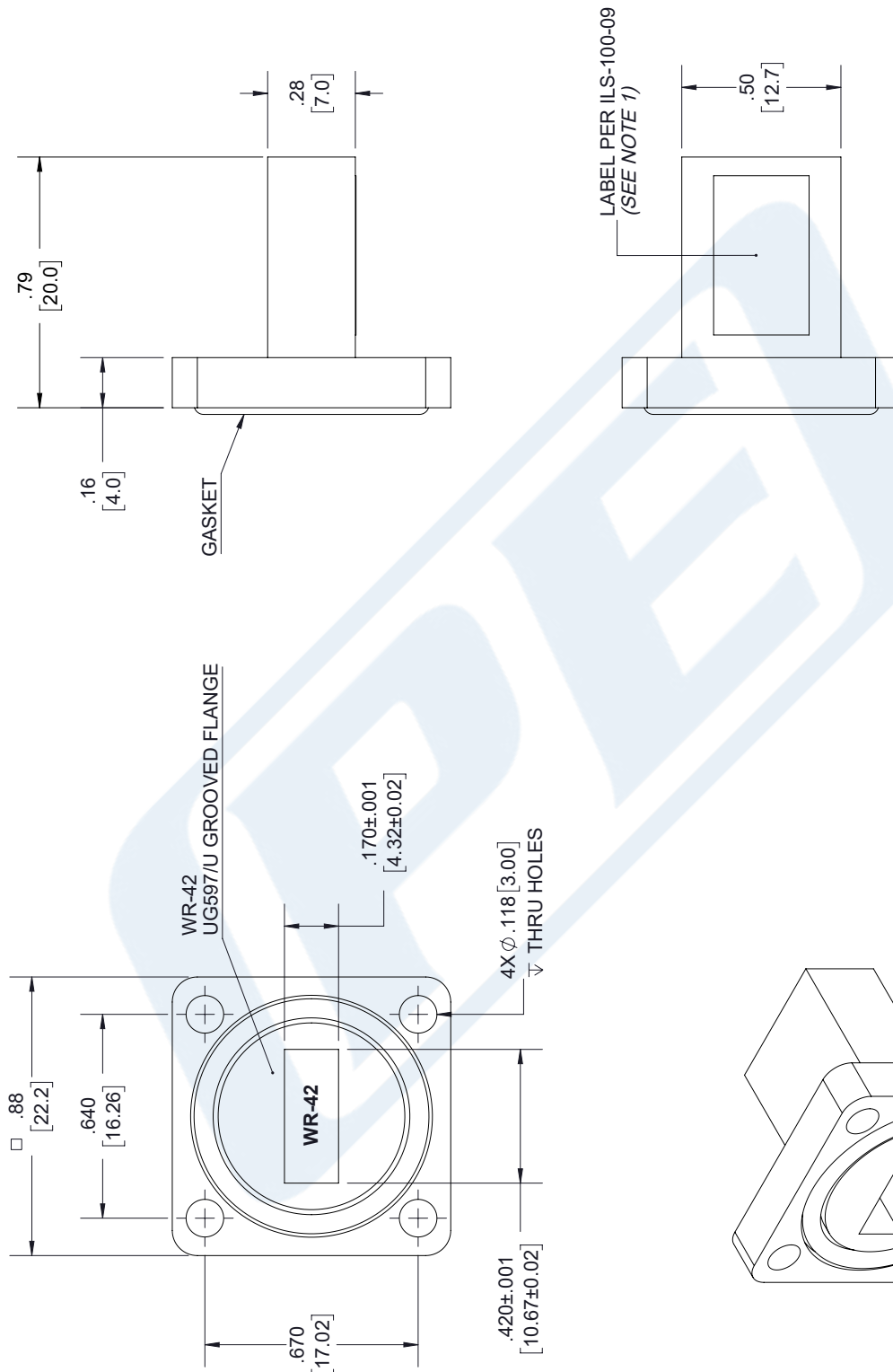
URL: <https://www.pasternack.com/1-watts-wr-42-rf-load-19.6-21.2-ghz-instrumentation-grade-pe-w42tr1002-p.aspx>

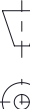
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PE-W42TR1002 CAD Drawing

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	3/22/2021	S.PONG



UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS						THIRD-ANGLE PROJECTION
TOLERANCES: X = ± .2 [.08] FRACTIONS .XX = ± .02 [.51] ± 1/32 XXX = ± .005 [.13] ANGLES ± 1° 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			THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF PASTERNAK CORPORATION ALL RIGHTS RESERVED.			SHEET 1 OF 1
ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.			SIZE CAGE CODE DRAWN BY ITEM NO.			REV
			A 53919 K.DANG PE-W42TR1002			A
			Pasternack Enterprises, Inc. P.O. Box 16759, Irvine, CA 92623. Phone: 1.949.261.1920 1.866.727.8376 Fax: 1.949.261.7451 Website: www.pasternack.com E-mail: sales@pasternack.com			N/A
						

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