



1 Watt WR-62 Waveguide Load 14.5 GHz to 17.8 GHz,
Aluminum with UG Square Cover Flange

Waveguide Terminations Technical Data Sheet

PE-W62TR1003

Features

- WR-62 Waveguide
- Operating Frequency Range from 14.5 GHz to 17.8 GHz
- UG Square Cover Flange
- 1.05:1 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-W62TR1003 is a WR-62 waveguide termination/load that operates in the frequency range of 14.5 GHz to 17.8 GHz. This WR-62 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	14.5		17.8	GHz
VSWR			1.05:1	
Input Power (CW)			1	Watt

Mechanical Specifications

Size	
Length	0.79 in [20.07 mm]
Width/Dia.	1.31 in [33.27 mm]
Height	1.31 in [33.27 mm]

Description	Flange	Waveguide
Designation	UG-1665/U	WR-62
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-62 Waveguide Load 14.5 GHz to 17.8 GHz, Aluminum with UG Square Cover Flange PE-W62TR1003](#)



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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-62 Waveguide Load 14.5 GHz to 17.8 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.

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-62 Waveguide Load 14.5 GHz to 17.8 GHz, Aluminum with UG Square Cover Flange PE-W62TR1003](#)

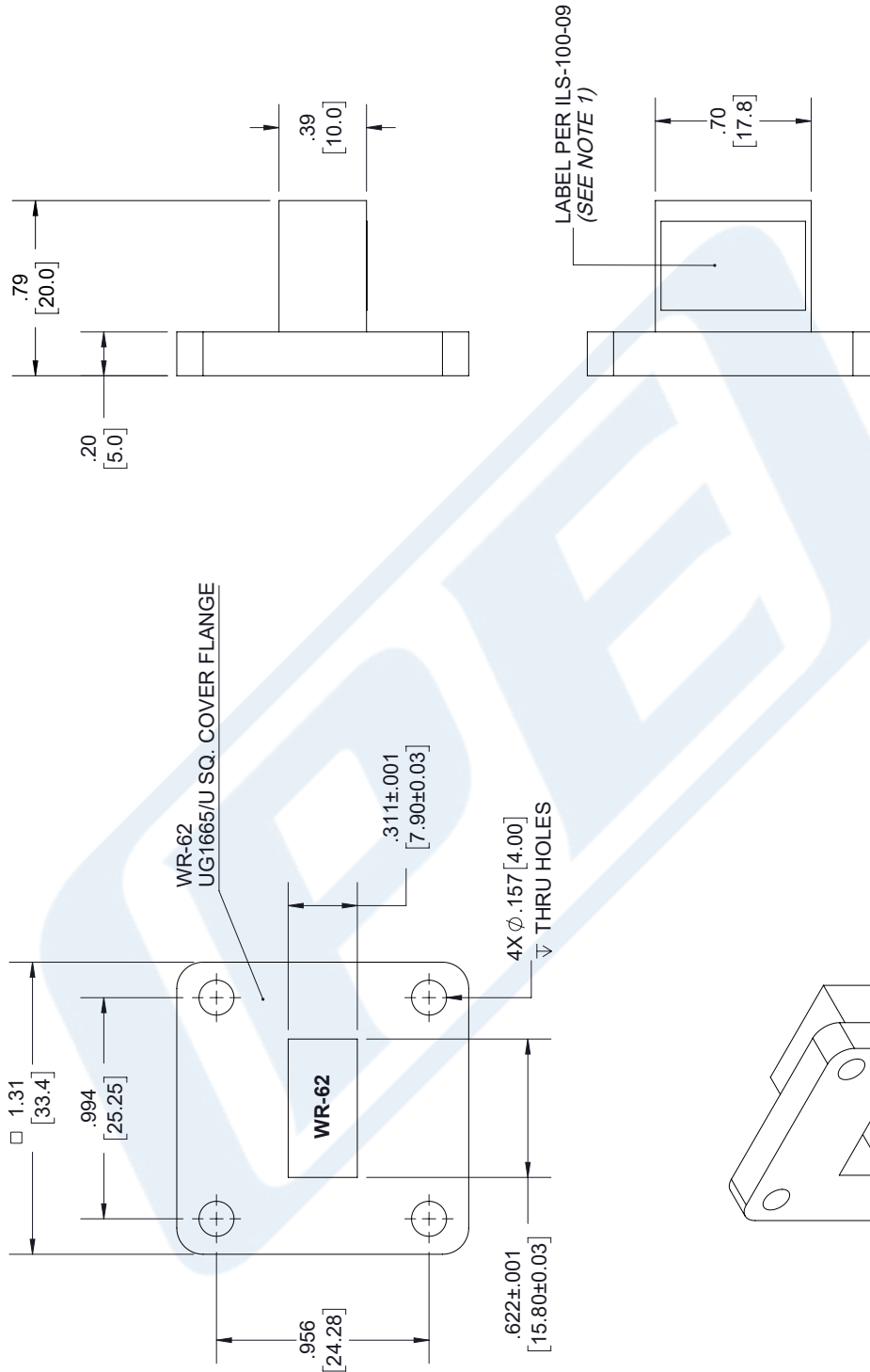
URL: <https://www.pasternack.com/1-watts-wr-62-rf-load-14.5-17.8-ghz-instrumentation-grade-pe-w62tr1003-p.aspx>

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-W62TR1003 CAD Drawing

1 Watt WR-62 Waveguide Load 14.5 GHz to 17.8 GHz,
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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

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

ALL DIMENSIONS SHOWN
ARE FOR REFERENCE ONLY.

PE PASTERNAK
an INFINITI brand

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THIRD-ANGLE PROJECTION

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SHEET 1 OF 1

SCALE N/A

SIZE A

CAGE CODE 53919

DRAWN BY K.DANG

ITEM NO. PE-W62TR1003

REV A

NOTES:

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