



4 Watts Low Power Instrumentation Grade
WR-22 Waveguide Load 33 GHz to 50 GHz, Copper

Waveguide Terminations Technical Data Sheet

PE-W22TR1002

Features

- WR-22 Waveguide
- 33 to 50 GHz
- UG-383/U Flange
- 1.05:1 Maximum VSWR
- 4 Watts Power Handling

Applications

- Instrumentation
- Precision measurements
- Prototyping and characterization
- Production Systems

Description

The PE-W22TR1002 is a waveguide termination (load) that is part of a family of high performance loads with round flange per MIL-DTL-85. They are designed so that virtually all the applied power is absorbed, thus assuring a low VSWR. These standard terminations, offered in the Ka through W waveguide bands can dissipate 0.4 to 6 Watts of power depending on the specific band.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	33		50	GHz
VSWR			1.05:1	
Input Power (CW)			4	Watts

Mechanical Specifications

Size

Length	2 in [50.8 mm]
Width/Dia.	1.12 in [28.45 mm]
Height	1.12 in [28.45 mm]
Weight	1.184 lbs [537.05 g]

Description	Flange	Waveguide
Designation	UG-383/U	WR-22
Type	Round Cover	
Material	Brass	Copper
Plating	Gold	Gold
Plating Specification	ASTMB488	ASTMB488

Mechanical Specification Notes:
ASTMB488

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 Instrumentation Grade WR-22 Waveguide Load 33 GHz to 50 GHz, Copper PE-W22TR1002](#)



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

Notes:

4 Watts Low Power Instrumentation Grade WR-22 Waveguide Load 33 GHz to 50 GHz, Copper 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/4-watts-wr-22-rf-load-33-50-ghz-instrumentation-grade-pe-w22tr1002-p.aspx>

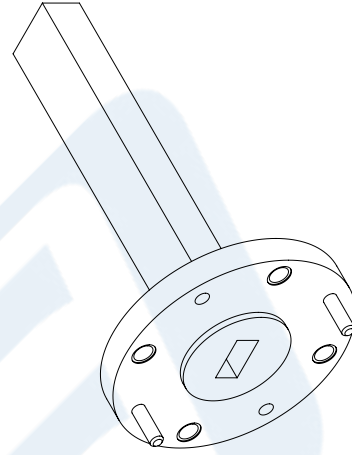
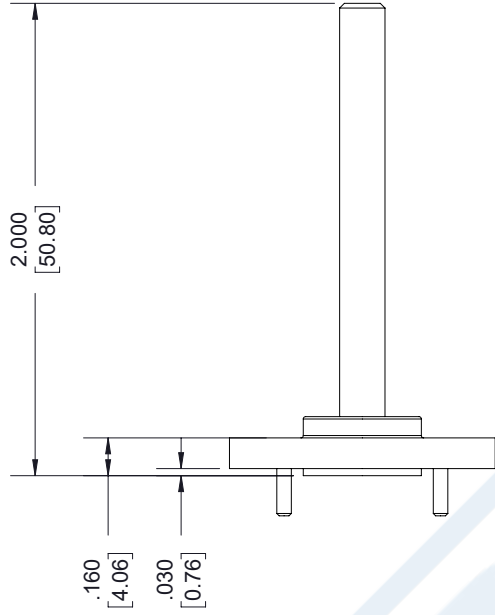
The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such 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-W22TR1002 CAD Drawing

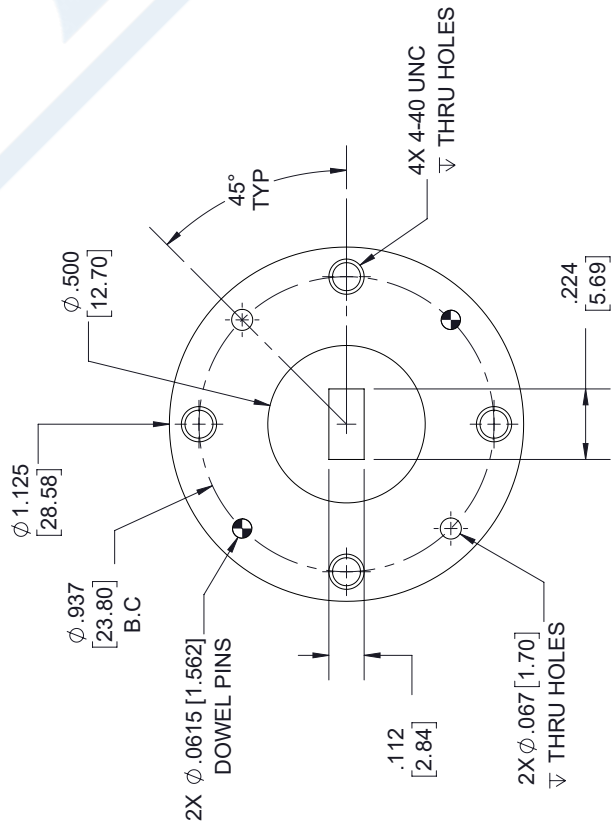
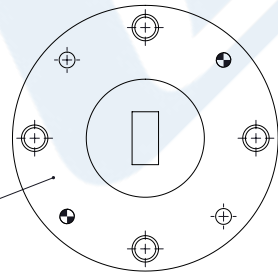
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Load 33 GHz to 50 GHz, Copper

REVISIONS

REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	08/27/19	S.PONG



WR-22 WAVEGUIDE
UG-383/U ROUND FLANGE



FLANGE DETAIL

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

TOLERANCES:
X \pm 2 [5.08] FRACTIONS
XX \pm .01 [.25] \pm .132
XXX \pm .005 [.13] ANGLES \pm 1°

ALL DIMENSIONS SHOWN
ARE FOR REFERENCE ONLY.

THIRD-ANGLE PROJECTION

PE PASTERNAK
an INFINITO brand

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SIZE [CAGE] DRAWN BY PART NUMBER
A [53919] K.DANG PE-W22TR1002

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SHEET 1 OF 1
SCALE N/A

REV A

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PE-W22TR1002
D/C: YYWW