



70 Watts WR-187 Waveguide Load 4.4 GHz to 5 GHz, Brass with CPR-187F Flange

Waveguide Terminations Technical Data Sheet

PE-W187TR1001

Features

- WR-187 Waveguide
- Operating Frequency Range from 4.4 GHz to 5 GHz
- CPR-187F Flange
- 1.1:1 Max VSWR
- 70 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-W187TR1001 is a WR-187 waveguide termination/load that operates in the frequency range of 4.4 GHz to 5 GHz. This WR-187 waveguide termination has a Max VSWR of 1.1:1. This waveguide termination design is made of painted brass and incorporates a CPR-187F 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	4.4		5	GHz
VSWR			1.1:1	
Input Power (CW)			70	Watts

Mechanical Specifications

Size	
Length	3.15 in [80.01 mm]
Width/Dia.	2.5 in [63.5 mm]
Height	3.5 in [88.9 mm]
Weight	0.53 lbs [240.4 g]

Description	Flange	Waveguide
Designation		WR-187
Type	CPR-187F	
Material	Brass	Brass
Plating		Passivated
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: [70 Watts WR-187 Waveguide Load 4.4 GHz to 5 GHz, Brass with CPR-187F Flange PE-W187TR1001](#)



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Environmental Specifications

Temperature

Operating Range

-40 to +70 deg C

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

Notes:

70 Watts WR-187 Waveguide Load 4.4 GHz to 5 GHz, Brass with CPR-187F 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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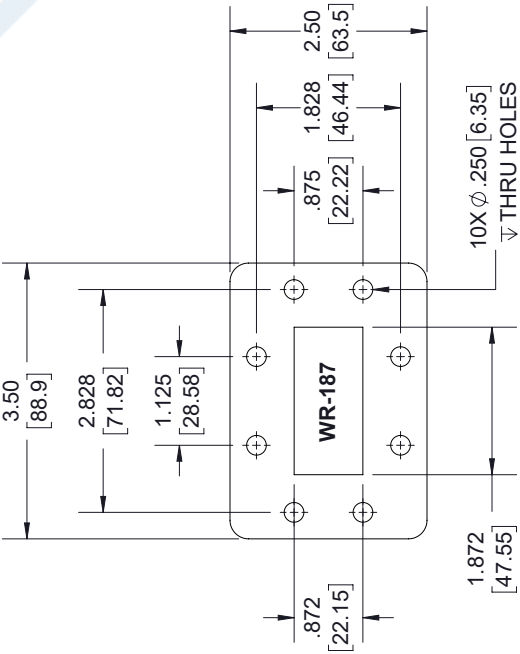
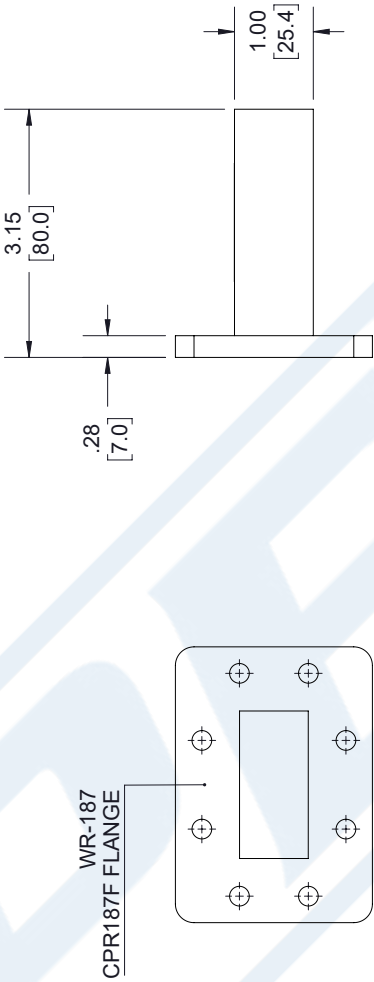
URL: <https://www.pasternack.com/70-watts-wr-187-rf-load-4.4-5-ghz-instrumentation-grade-pe-w187tr1001-p.aspx>

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-W187TR1001 CAD Drawing

70 Watts WR-187 Waveguide Load 4.4 GHz to 5 GHz, Brass with CPR-187F Flange

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	3/24/2021	S.PONG



FLANGE DETAIL

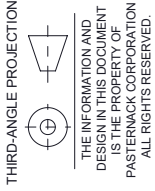
NOTES:

1. LABEL PER ILS-100-09. FOR INTERNAL USE ONLY.
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UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS	
TOLERANCES:	FRACTIONS
.X = ± .2 [5.08]	± 1/32
.XX = ± .02 [.51]	± .005 [0.13]
.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.	

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SIZE	ITEM NO.
A	PE-W187TR1001
CAGE CODE	REV
53919	A
DRAWN BY	
K.DANG	



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SHEET 1 OF 1

SCALE N/A

REV A