



5 Watts WR-187 Waveguide Load 3.94 GHz to 5.99 GHz, Aluminum with CPR-187F Flange

Waveguide Terminations Technical Data Sheet

PE-W187TR1002

Features

- WR-187 Waveguide
- Operating Frequency Range from 3.94 GHz to 5.99 GHz
- CPR-187F Flange
- 1.03:1 Max VSWR
- 5 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-W187TR1002 is a WR-187 waveguide termination/load that operates in the frequency range of 3.94 GHz to 5.99 GHz. This WR-187 waveguide termination has a Max VSWR of 1.03:1. This waveguide termination design is made of painted aluminum 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 | 3.94 | | 5.99 | GHz |
| VSWR | | | 1.03:1 | |
| Input Power (CW) | | | 5 | Watts |

Mechanical Specifications

Size

| | |
|------------|---------------------|
| Length | 8.66 in [219.96 mm] |
| Width/Dia. | 2.5 in [63.5 mm] |
| Height | 3.5 in [88.9 mm] |
| Weight | 0.31 lbs [140.61 g] |

| Description | Flange | Waveguide |
|-------------|----------|------------|
| Designation | | WR-187 |
| Type | CPR-187F | |
| 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: [5 Watts WR-187 Waveguide Load 3.94 GHz to 5.99 GHz, Aluminum with CPR-187F Flange PE-W187TR1002](#)



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Environmental Specifications

Temperature

Operating Range

-40 to +70 deg C

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

Notes:

5 Watts WR-187 Waveguide Load 3.94 GHz to 5.99 GHz, Aluminum 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/5-watts-wr-187-rf-load-3.94-5.99-ghz-instrumentation-grade-pe-w187tr1002-p.aspx>

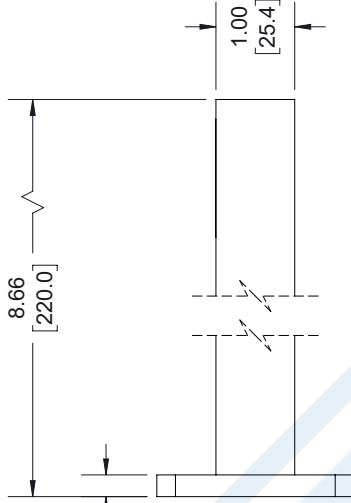
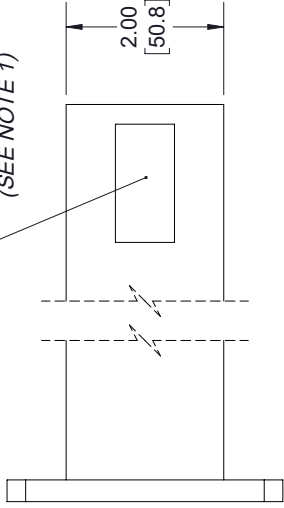
The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such 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-W187TR1002 CAD Drawing

5 Watts WR-187 Waveguide Load 3.94 GHz to 5.99 GHz,
Aluminum with CPR-187F Flange

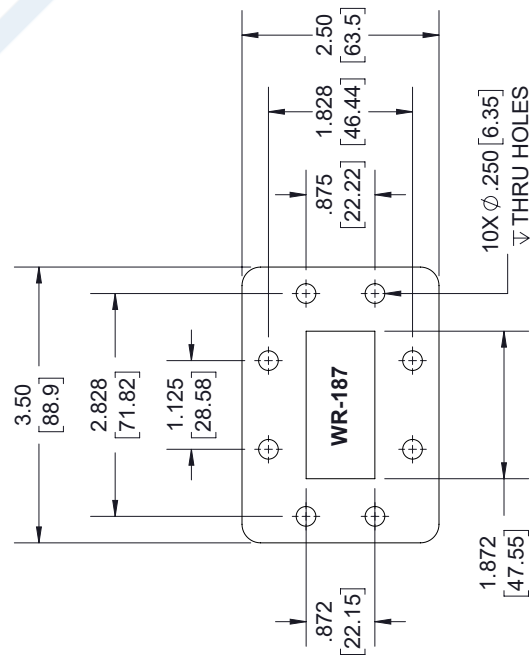
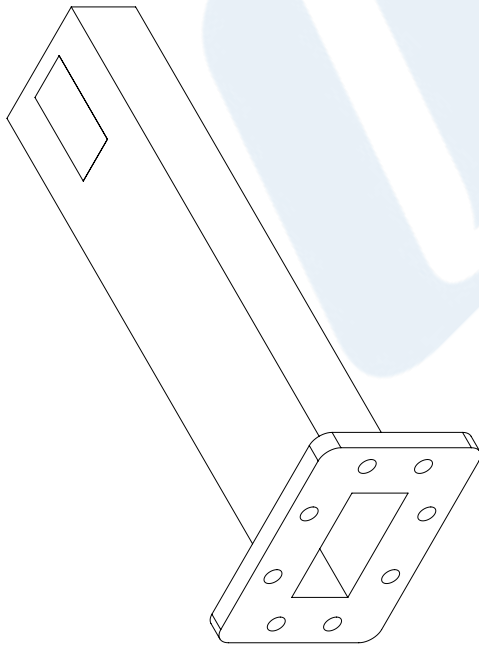
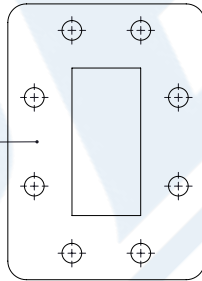
| REVISIONS | | | |
|-----------|-----------------|-----------|----------|
| REV. | DESCRIPTION | DATE | APPROVED |
| A | INITIAL RELEASE | 3/24/2021 | S.PONG |

LABEL PER ILS-100-09
(SEE NOTE 1)



.28
[7.0]

WR-187
CPR187F FLANGE



FLANGE DETAIL

NOTES:

- LABEL PER ILS-100-09. FOR INTERNAL USE ONLY.
LABEL LOCATION FOR REFERENCE ONLY.

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 53919

DRAWN BY K.DANG

REV A

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