

WR-159 Waveguide Termination 5 Watts with a 4.64 GHz to 7.05 GHz Frequency Range, Aluminum with CPR-159F Flange

The FMW159TR1002 is a WR-159 waveguide termination/load that operates in the frequency range of 4.64 GHz to 7.05 GHz. This WR-159 waveguide termination has a Max VSWR of 1.03:1. This waveguide termination design is made of painted aluminum and incorporates a CPR-159F flange. In addition to waveguide termination product line, Fairview Microwave also offers a wide range of waveguide products which are available in stock and ready for same-day shipment.

Electrical Specifications

| Description | Min | Typ | Max | Units |
|------------------|------|-----|--------|-------|
| Frequency Range | 4.64 | | 7.05 | GHz |
| VSWR | | | 1.03:1 | |
| Input Power (CW) | | | 5 | Watts |

Mechanical Specifications

| Size | |
|------------|---------------------|
| Length | 7.87 in [199.9 mm] |
| Width/Dia. | 2.44 in [61.98 mm] |
| Height | 3.19 in [81.03 mm] |
| Weight | 0.23 lbs [104.33 g] |

| Description | Flange | Waveguide |
|-------------|----------|------------|
| Designation | | WR-159 |
| Type | CPR-159F | |
| Material | Aluminum | Aluminum |
| Plating | Chromate | Chromate |
| Finish | | Grey paint |

Environmental Specifications

| Temperature | |
|-----------------|------------------|
| Operating Range | -40 to +70 deg C |

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

Plotted and Other Data

Notes:



Features:

- WR-159 Waveguide
- Operating Frequency Range from 4.64 GHz to 7.05 GHz
- CPR-159F 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

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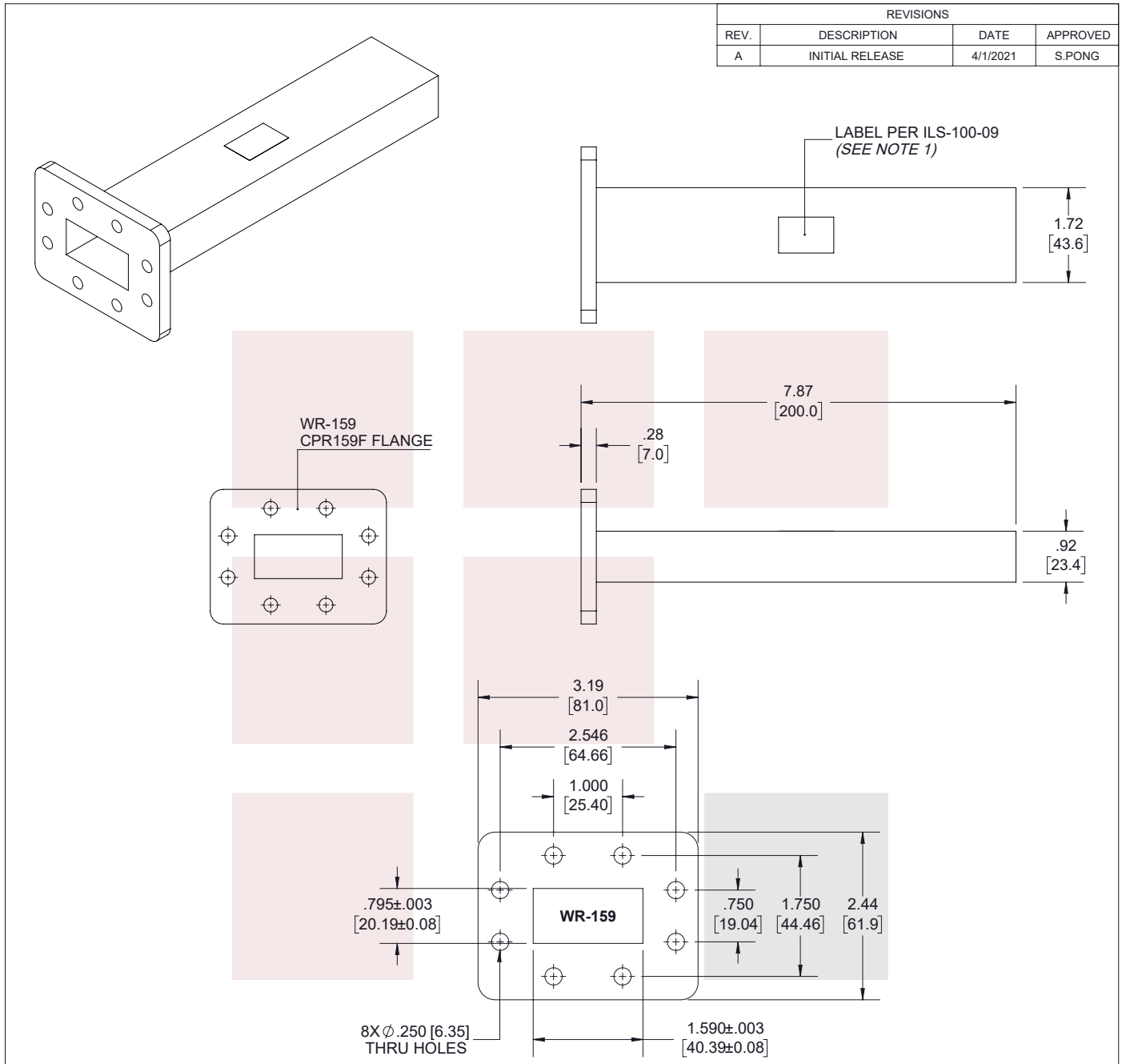
WR-159 Waveguide Termination 5 Watts with a 4.64 GHz to 7.05 GHz Frequency Range, Aluminum with CPR-159F Flange from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [WR-159 Waveguide Termination 5 Watts with a 4.64 GHz to 7.05 GHz Frequency Range, Aluminum with CPR-159F Flange FMW159TR1002](#)

URL: <https://www.fairviewmicrowave.com/wr-159-waveguide-termination-5-watts-instrumentation-grade-4.64-7.05-ghz-fmw159tr1002-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. Fairview Microwave reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Fairview Microwave does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Fairview Microwave does not assume any liability arising out of the use of any part or documentation.





| REVISIONS | | | |
|-----------|-----------------|----------|----------|
| REV. | DESCRIPTION | DATE | APPROVED |
| A | INITIAL RELEASE | 4/1/2021 | S.PONG |

NOTES:

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

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FLANGE DETAIL

TITLE

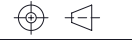
WR-159 Waveguide Termination 5 Watts with a 4.64 GHz to 7.05 GHz Frequency Range, Aluminum with CPR-159F Flange

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

TOLERANCES: CABLE LENGTH (L) TOLERANCES:

| | | |
|--------------------|-------------|---|
| .X = ±.2 [5.08] | FRACTIONS | L ≤ 12 [305] = +1 [25] / -0 |
| .XX = ±.02 [.51] | ± 1/32 | 12 [305] < L ≤ 60 [1524] = +2 [51] / -0 |
| .XXX = ±.005 [.13] | ANGLES ± 1° | 60 [1524] < L ≤ 120 [3048] = +4 [102] / -0 |
| | | 120 [3048] < L ≤ 300 [7620] = +6 [152] / -0 |
| | | 300 [7620] < L = +5%L / -0 |

THIRD-ANGLE PROJECTION



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SHEET 1 OF 1

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

SCALE N/A

| | | | | |
|-----------|--------------------|--------------------|--------------------------|----------|
| SIZE A | CAGE CODE 3FKR5 | DRAWN BY K.DANG | ITEM NO. FMW159TR1002 | REV A |
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T-Rev.D