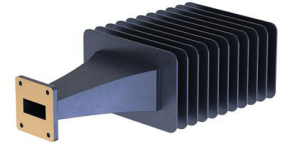


WR-112 Waveguide Load Rated For 300 Watts,
Operating from 6.57 GHz to 9.99 GHz, Constructed
from Aluminum and Equipped with a FBP84 Flange



FMW112TR002

Features

- WR-112 Waveguide
- Operating Frequency Range from 6.57 GHz to 9.99 GHz
- Low VSWR of 1.25:1 Max
- 300 Watt (CW) Average Power Handling
- FBP84 Cover Flange
- Excellent Impedance Matching

Applications

- Test & Measurement
- RF & Microwave Labs
- Radar Systems
- Satellite Communications (SATCOM)
- Aerospace & Defense

Description

The FMW112TR002 is a WR-112 waveguide termination/load designed to provide a precision matched termination over the 6.57 to 9.99 GHz frequency range. It features a maximum VSWR of 1.25:1, minimizing reflections and ensuring accurate RF system performance. Constructed from painted Aluminum with a FBP84 cover flange, this waveguide termination offers a lightweight, rugged solution suitable for laboratory, commercial, industrial, aerospace, and defense microwave applications. It is ideal for terminating unused waveguide ports, absorbing incident RF energy, and improving system impedance matching. As part of Fairview Microwave's extensive waveguide component portfolio, this termination is in stock and available for same-day shipment.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	6.57		9.99	GHz
VSWR			1.25:1	
Input Power (CW)			300	Watts
Input Power (Peak)			100	kWatts

Mechanical Specifications

Size

Length	10.12 in [257.05 mm]
Width/Dia.	4.62 in [117.35 mm]
Height	2.88 in [73.15 mm]
Weight	0.7 lbs [317.51 g]

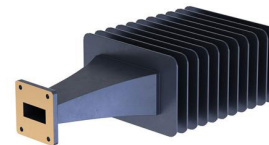
Description	Flange	Waveguide
Designation		WR-112
Type	FBP84	
Material		Aluminum
Plating		Chromate Conversion
Finish		Grey Paint

Environmental Specifications

Temperature

Operating Range	-40 to +70 deg C
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FMW112TR002

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

Plotted and Other Data

WR-112 Waveguide Load Rated For 300 Watts, Operating from 6.57 GHz to 9.99 GHz, Constructed from Aluminum and Equipped with a FBP84 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-112 Waveguide Load Rated For 300 Watts, Operating from 6.57 GHz to 9.99 GHz, Constructed from Aluminum and Equipped with a FBP84 Flange FMW112TR002](#)

URL: <https://www.fairviewmicrowave.com/wr-112-waveguide-termination-300-watts-6.57-9.99-ghz-fmw112tr002>

The information contained within 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 liability arising out of the use of any part or document.

FMW112TR002 CAD Drawing

WR-112 Waveguide Load Rated For 300 Watts, Operating from 6.57 GHz to 9.99 GHz,
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