

WR-650 Waveguide Load Rated For 500 Watts,
Operating from 1.13 GHz to 1.73 GHz, Constructed
from Aluminum and Equipped with a FDP14 Flange



FMW650TR001

Features

- WR-650 Waveguide
- Operating Frequency Range from 1.13 GHz to 1.73 GHz
- Low VSWR of 1.25:1 Max
- 500 Watts (CW) Average Power Handling
- FDP14 Cover Flange
- Excellent Impedance Matching

Applications

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

Description

The FMW650TR001 is a WR-650 waveguide termination/load designed to provide a precision matched termination over the 1.13 to 1.73 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 FDP14 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	1.13		1.73	GHz
VSWR			1.25:1	
Input Power (CW)			500	Watts
Input Power (Peak)			2,000	kWatts

Mechanical Specifications

Size

Length	13.78 in [350.01 mm]
Width/Dia.	8.69 in [220.73 mm]
Height	5.44 in [138.18 mm]
Weight	1 lbs [453.59 g]

Description	Flange	Waveguide
Designation		WR-650
Type	FDP14	
Material		Aluminum
Plating		Chromate Conversion
Finish		Grey Paint

Environmental Specifications

Temperature

Operating Range	-40 to +70 deg C
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Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

WR-650 Waveguide Load Rated For 500 Watts, Operating from 1.13 GHz to 1.73 GHz, Constructed from Aluminum and Equipped with a FDP14 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-650 Waveguide Load Rated For 500 Watts, Operating from 1.13 GHz to 1.73 GHz, Constructed from Aluminum and Equipped with a FDP14 Flange FMW650TR001](#)

URL: <https://www.fairviewmicrowave.com/wr-650-waveguide-termination-500-watts-1.13-1.73-ghz-fmw650tr001>

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FMW650TR001 CAD Drawing

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