

WR-90 Waveguide Termination 2 Watt, 8.2 GHz to 12.5 GHz, Copper with UG-39/U Flange



FMW90TR002

Features

- WR-90 Waveguide
- Operating Frequency Range from 8.2 GHz to 12.5 GHz
- 1.03:1 Max VSWR
- 2 Watt Average Power Handling
- UG-39/U Flange

Applications

- Radar Systems
- Military and Space
- Wireless Radio Systems
- Telecom Infrastructure
- Communication Systems
- R&D Labs
- Microwave Radio Systems

Description

The FMW90TR002 is a WR-90 waveguide termination/load that operates in the frequency range of 8.2 GHz to 12.5 GHz. This WR-90 waveguide termination has a Max VSWR of 1.03:1. This waveguide termination design is made of painted brass and incorporates a UG -39/U flange. Waveguide terminations are part of Fairview Microwave'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	8.2		12.5	GHz
VSWR			1.03:1	
Input Power (CW)			2	Watts
Input Power (Peak)			20	kWatts

Mechanical Specifications

Size

Length	5.12 in [130.05 mm]
Width/Dia.	1.63 in [41.4 mm]
Height	1.28 in [32.51 mm]
Weight	0.45 lbs [204.12 g]

Description	Flange	Waveguide
Designation	UG-39/U	WR-90
Type	Square Cover	
Material	Copper	Copper
Plating	Passivated	Passivated
Finish	Grey Paint	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-90 Waveguide Termination 2 Watt, 8.2 GHz to 12.5 GHz, Copper with UG-39/U 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-90 Waveguide Termination 2 Watt, 8.2 GHz to 12.5 GHz, Copper with UG-39/U Flange FMW90TR002](#)

URL: <https://www.fairviewmicrowave.com/wr-90-waveguide-termination-2-watts-8.2-12.5-ghz-fmw90tr002-p.aspx>

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FMW90TR002 CAD Drawing

WR-90 Waveguide Termination 2 Watt, 8.2 GHz to 12.5 GHz, Copper with UG-39/U Flange

