

WR-34 Waveguide Load Rated For 50 Watts,
Operating from 21.7 GHz to 33 GHz, Constructed from
Copper and Equipped with a UG-1530/U Flange



FMW34TR002

Features

- WR-34 Waveguide
- Operating Frequency Range from 21.7 GHz to 33 GHz
- Low VSWR of 1.25:1 Max
- 50 Watt (CW) Average Power Handling
- UG-1530/U Cover Flange
- Excellent Impedance Matching

Applications

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

Description

The FMW34TR002 is a WR-34 waveguide termination/load designed to provide a precision matched termination over the 21.7 to 33 GHz frequency range. It features a maximum VSWR of 1.25:1, minimizing reflections and ensuring accurate RF system performance. Constructed from painted Brass with a UG-1530/U 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	21.7		33	GHz
VSWR			1.25:1	
Input Power (CW)			50	Watts
Input Power (Peak)			20	kWatts

Mechanical Specifications

Size

Length	3.54 in [89.92 mm]
Width/Dia.	1.5 in [38.1 mm]
Height	1.5 in [38.1 mm]
Weight	0.6 lbs [272.16 g]

Description	Flange	Waveguide
Designation	UG-1530/U	WR-34
Material		Brass Copper
Plating		Passivated
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-34 Waveguide Load Rated For 50 Watts, Operating from 21.7 GHz to 33 GHz, Constructed from Copper and Equipped with a UG-1530/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.

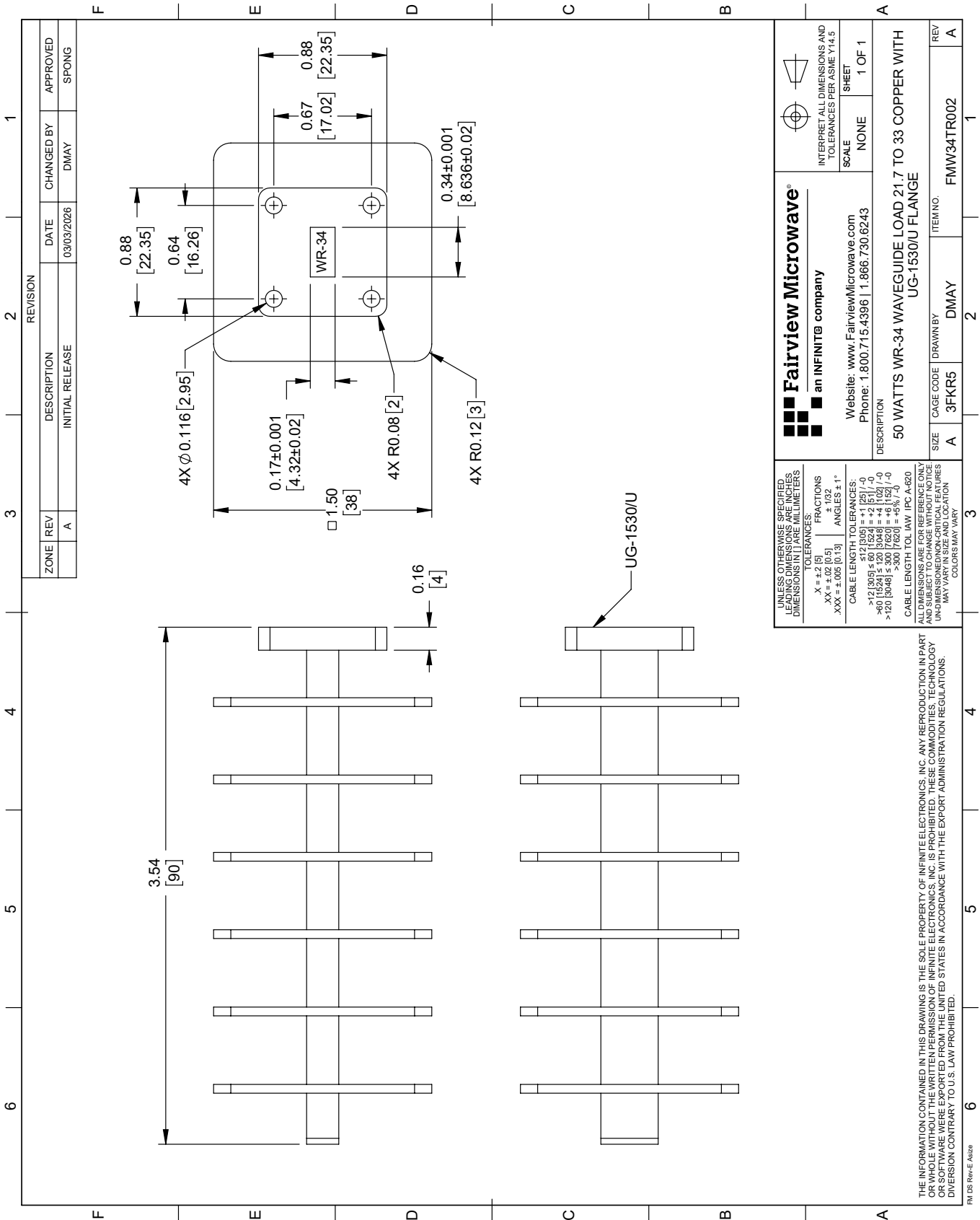
For additional information on this product, please click the following link: [WR-34 Waveguide Load Rated For 50 Watts, Operating from 21.7 GHz to 33 GHz, Constructed from Copper and Equipped with a UG-1530/U Flange FMW34TR002](#)

URL: <https://www.fairviewmicrowave.com/wr-34-waveguide-termination-50-watts-21.7-33-ghz-fmw34tr002>

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FMW34TR002 CAD Drawing

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TOLERANCES:		Website: www.FairviewMicrowave.com Phone: 1.800.715.4396 1.866.730.6243		SCALE NONE	
X = ±.2 [5] .XX = ±.02 [0.5] .XXX = ±.005 [0.13]		FRACTIONS ± 1/32 ANGLES ± 1°		SHEET 1 OF 1	
CABLE LENGTH TOLERANCES: ≤ 12 [305] ≤ +1/2 [125] / -0 > 12 [305] ≤ 120 [3048] ≤ +4 [102] / -0 > 120 [3048] ≤ 300 [7620] ≤ +6 [152] / -0 > 300 [7620] ≤ +5% / -0		DESCRIPTION 50 WATTS WR-34 WAVEGUIDE LOAD 21.7 TO 33 COPPER WITH UG-1530/U FLANGE		REV A	
ALL DIMENSIONS ARE FOR REFERENCE ONLY. DIMENSIONS OF NON-CRITICAL FEATURES MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.		ITEM NO. FMW34TR002		REV A	
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