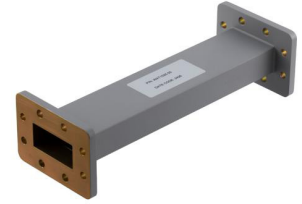


WR-187 Waveguide Fixed Attenuator, 20 dB, Operating from 3.94 GHz to 5.99 GHz, UG Cover Flange, Rated to 5 Watt



FMWAT1025-20

Features

- WR-187 Waveguide
- Typical Attenuation 20 dB
- Frequency Range 3.94 GHz to 5.99 GHz
- UG Cover Flanges
- VSWR 1.25:1 Max
- 5 Watts (CW) Max Power Handling

Applications

- Instrumentation
- Research and Development
- System Calibration
- Test Benches

Description

FMWAT1025-20 is a WR-187 waveguide attenuator with 20 dB attenuation, operating in the 3.94 to 5.99 GHz frequency range. With typical VSWR performance of 1.25:1, the attenuator uses an UG cover flange that is made of aluminum. Fairview Microwave offers standard mid-band tuned Waveguide fixed attenuators with attenuation values from 3 to 30 dB. Waveguide fixed attenuators 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	3.94		5.99	GHz
Nominal Attenuation		20		dB
Attenuation		0.7		dB
VSWR			1.25:1	
Input Power (CW)			5	Watts

Mechanical Specifications

Size

- Length 9.45 in [240.03 mm]
- Width 3.5 in [88.9 mm]
- Height 2.5 in [63.5 mm]
- Weight 0.92 lbs [417.3 g]
- Finish Grey Paint

Description	Flange 1	Waveguide	Flange 2
Interface	UG	WR-187	UG
Material	Aluminum	Aluminum	Aluminum
Plating	Chromate Conversion	Chromate Conversion	Chromate Conversion

Environmental Specifications

Temperature

- Operating Range -40 to +70 deg C
- Storage Range -55 to +85 deg C

WR-187 Waveguide Fixed Attenuator, 20 dB, Operating from 3.94 GHz to 5.99 GHz, UG Cover Flange, Rated to 5 Watt



FMWAT1025-20

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

Plotted and Other Data

Notes:

WR-187 Waveguide Fixed Attenuator, 20 dB, Operating from 3.94 GHz to 5.99 GHz, UG Cover Flange, Rated to 5 Watt 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.

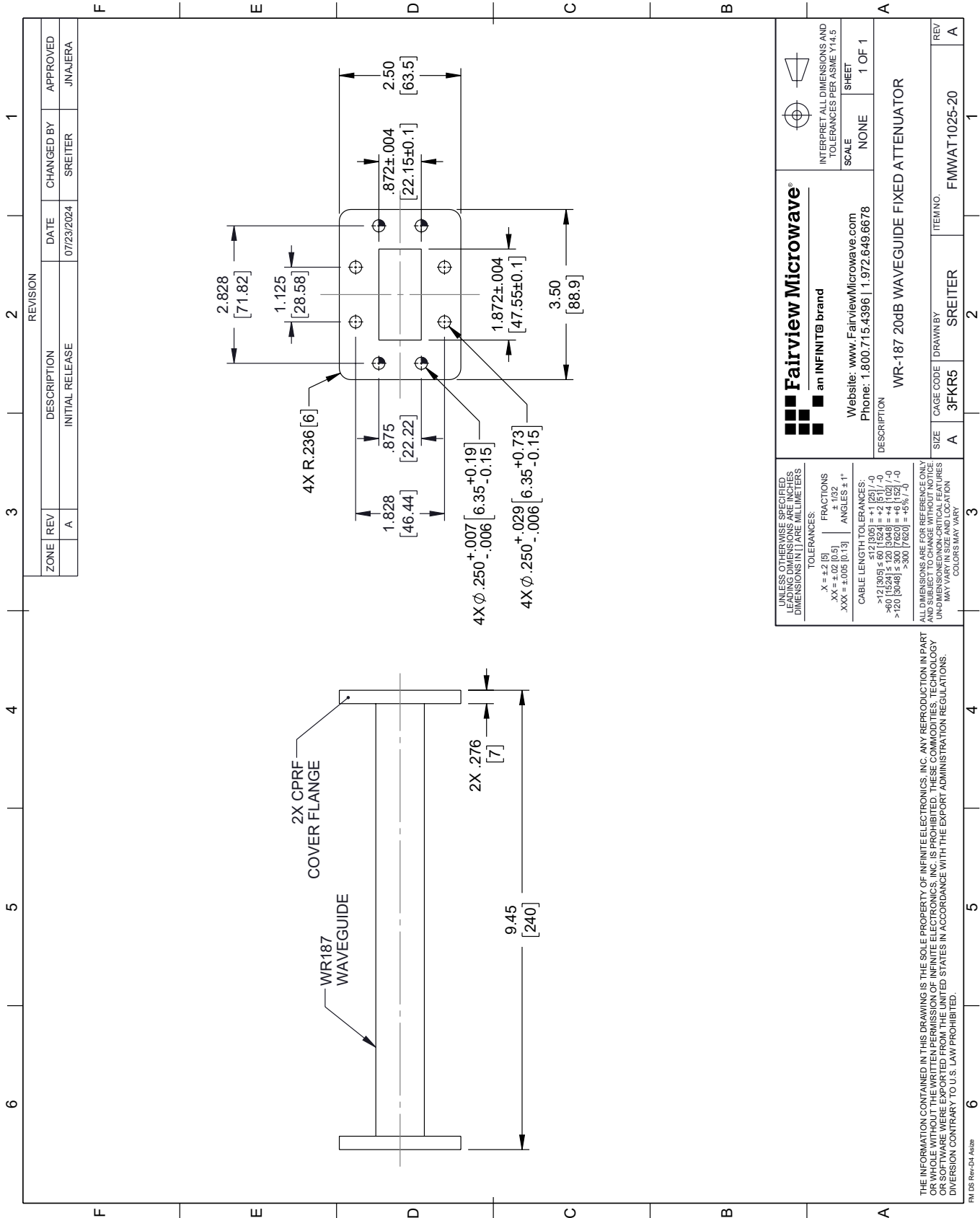
For additional information on this product, please click the following link: [WR-187 Waveguide Fixed Attenuator, 20 dB, Operating from 3.94 GHz to 5.99 GHz, UG Cover Flange, Rated to 5 Watt FMWAT1025-20](#)

URL: <https://www.fairviewmicrowave.com/wr-187-waveguide-attenuator-fixed-20-db-operating-from-3.94-to-5.99-ghz-ug-square-cover-flange-fmwat1025-20-p.aspx>

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.

FMWAT1025-20 CAD Drawing

WR-187 Waveguide Fixed Attenuator, 20 dB, Operating from 3.94 GHz to 5.99 GHz, UG Cover Flange, Rated to 5 Watt



ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	A	INITIAL RELEASE	07/23/2024	SREITER	JNAJERA

Fairview Microwave®
an INFINITIB® brand

Website: www.FairviewMicrowave.com
Phone: 1.800.715.4396 | 1.972.649.6678

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES. DIMENSIONS IN [] ARE MILLIMETERS.

TOLERANCES:
 .X = ±.2 [5] FRACTIONS ± 1/32
 .XX = ±.02 [0.5] ANGLES ± 1°
 .XXX = ±.005 [0.13]

CABLE LENGTH TOLERANCES:
 >12 [305] ≤ 60 [1524] = ±.125 [-0]
 >60 [1524] ≤ 120 [3048] = ±.102 [-0]
 >120 [3048] ≤ 300 [7620] = ±.075 [-0]

ALL DIMENSIONS ARE FOR REFERENCE ONLY. UNDIMENSIONED NON-CRITICAL FEATURES MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.

DESCRIPTION: WR-187 20dB WAVEGUIDE FIXED ATTENUATOR

SCALE: NONE SHEET: 1 OF 1

REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
A	INITIAL RELEASE	07/23/2024	SREITER	JNAJERA

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF INFINITE ELECTRONICS, INC. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF INFINITE ELECTRONICS, INC. IS PROHIBITED. THESE COMMODITIES, TECHNOLOGY OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVISION CONTRARY TO U.S. LAW PROHIBITED.

FM DS Rev-D4 Alt2b