

WR-42 Waveguide Fixed Attenuator,
10 dB, Operating from 17.6 GHz to 26.7 GHz, UG-595/U Square Cover Flange, Rated to 1 Watt



FMWAT1022-10

Features

- WR-42 Waveguide
- Typical Attenuation 10 dB
- Frequency Range 17.6 GHz to 26.7 GHz
- UG-595/U Cover Flanges
- VSWR 1.25:1 Max
- 1 Watts (CW) Max Power Handling

Applications

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

Description

FMWAT1022-10 is a WR-42 waveguide attenuator with 10 dB attenuation, operating in the 17.6 to 26.7 GHz frequency range. With typical VSWR performance of 1.25:1, the attenuator uses an UG-595/U cover flange that is made of gold plated brass. 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	17.6		26.7	GHz
Nominal Attenuation		10		dB
Attenuation		0.7		dB
VSWR			1.25:1	
Input Power (CW)			1	Watt

Mechanical Specifications

Size

Length	3.15 in [80.01 mm]
Width	0.88 in [22.35 mm]
Height	0.88 in [22.35 mm]
Weight	0.13 lbs [58.97 g]
Finish	Grey Paint

Description	Flange 1	Waveguide	Flange 2
Interface	UG-595/U	WR-42	UG-595/U
Material	Brass Copper	Brass Copper	Brass Copper
Plating	Gold	Gold	Gold

Environmental Specifications

Temperature

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

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

Plotted and Other Data

Notes:

WR-42 Waveguide Fixed Attenuator, 10 dB, Operating from 17.6 GHz to 26.7 GHz, UG-595/U Square Cover Flange, Rated to 1 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-42 Waveguide Fixed Attenuator, 10 dB, Operating from 17.6 GHz to 26.7 GHz, UG-595/U Square Cover Flange, Rated to 1 Watt FMWAT1022-10](#)

URL: <https://www.fairviewmicrowave.com/wr-42-waveguide-attenuator-fixed-10-db-operating-from-17.6-to-26.7-ghz-ug-595-u-square-cover-flange-fmwat1022-10-p.aspx>

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FMWAT1022-10 CAD Drawing

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