

**10 dB Waveguide Fixed Attenuator, WR-28 with UG-599/U Cover Flange, Max Power 5W**

FMWAT1007-10 is a WR-28 waveguide attenuator with 10 dB attenuation, operating in the 26.5 to 40 GHz frequency range. With typical VSWR performance of 1.2:1, the attenuator uses an UG-599/U cover flange that is made of gold plated aluminum. Fairview Microwave offers standard mid-band tuned Waveguide fixed attenuators with attenuation values from 3 to 30 dB. In addition to waveguide fixed attenuator product line, Fairview Microwave also offers a wide range of waveguide products which are available in stock and ready for same-day shipment.

**Electrical Specifications**

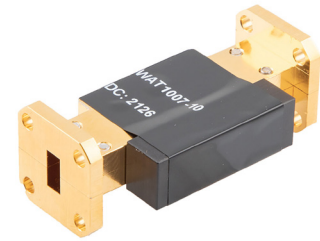
Description	Min	Typ	Max	Units
Frequency Range	26.5		40	GHz
Attenuation		10		dB
VSWR		1.2:1		
Input Power (Peak)			5	Watts

**Mechanical Specifications**

**Size**

Length 2 in [50.8 mm]  
Width 0.28 in [7.11 mm]

Description	Flange 1	Waveguide	Flange 2
Interface	UG-599/U	WR-28	UG-599/U
Material	Aluminum	Aluminum	Aluminum
Plating	Gold	Gold	Gold



**Features:**

- WR-28 Waveguide
- Typical attenuation level: 10 dB
- Operating Frequency Range from 26.5 GHz to 40 GHz
- UG-599/U cover Flanges
- 1.2:1 Typ. VSWR
- 5.0 Watts (CW) Max Power Handling.

**Applications:**

- Instrumentation
- Research and development
- System calibration
- Test benches

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

**Plotted and Other Data**

Notes:

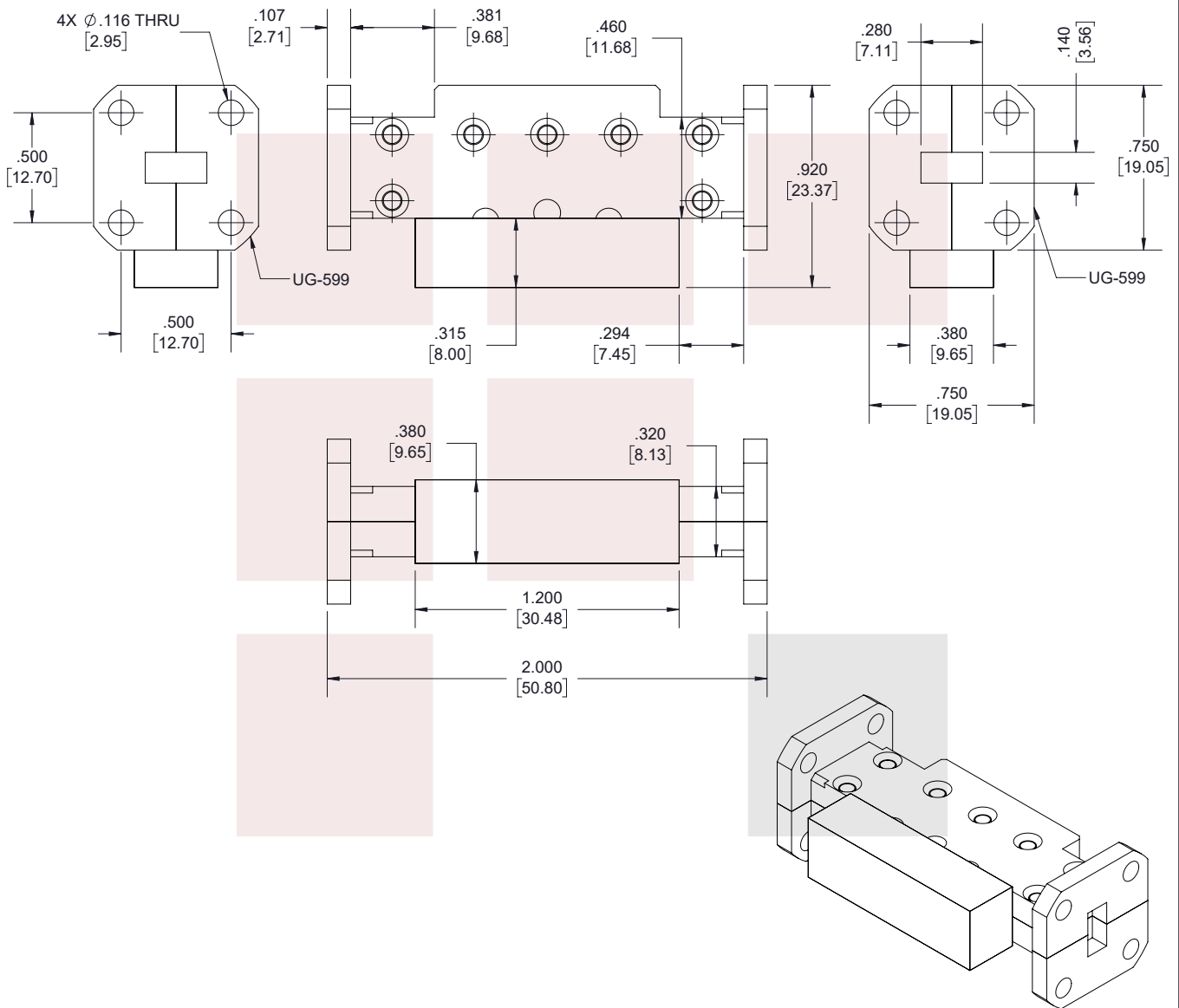
10 dB Waveguide Fixed Attenuator, WR-28 with UG-599/U Cover Flange, Max Power 5W from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [10 dB Waveguide Fixed Attenuator, WR-28 with UG-599/U Cover Flange, Max Power 5W FMWAT1007-10](#)

URL: <https://www.fairviewmicrowave.com/wr-28-waveguide-attenuator-fixed-40ghz-fmwat1007-10-p.aspx>

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	05-04-2021	SPONG



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TITLE  
10 dB Waveguide Fixed Attenuator, WR-28 with UG-599/U Cover Flange, Max Power 5W

UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES  
DIMENSIONS IN [ ] ARE MILLIMETERS

TOLERANCES:		CABLE LENGTH (L) TOLERANCES:	
.X = ±.2 [5.08]	FRACTIONS ± 1/32	L ≤ 12 [305] = +1 [25] / -0	
.XX = ±.02 [.51]	ANGLES ± 1°	12 [305] < L ≤ 60 [1524] = +2 [51] / -0	
.XXX = ±.005 [.13]		60 [1524] < L ≤ 120 [3048] = +4 [102] / -0	
		120 [3048] < L ≤ 300 [7620] = +6 [152] / -0	
		300 [7620] < L = +5%L / -0	

THIRD-ANGLE PROJECTION  
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SHEET 1 OF 1

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

SCALE N/A

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	3FKR5	MVEERAPPAN	FMWAT1007-XX	A

T-Rev.D