

6 dB Waveguide Fixed Attenuator, WR-19 with UG-383/U Cover Flange, Max Power 3W

FMWAT1009-6 is a WR-19 waveguide attenuator with 6 dB attenuation, operating in the 40 to 60 GHz frequency range. With typical VSWR performance of 1.15:1, the attenuator uses an UG-383/U-Mod 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	40		60	GHz
Attenuation		6		dB
VSWR		1.15:1		
Input Power (Peak)			3	Watts

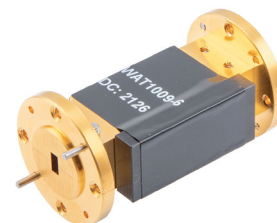
Mechanical Specifications

Size

Length
Width

2 in [50.8 mm]
0.188 in [4.78 mm]

Description	Flange 1	Waveguide	Flange 2
Interface	UG-383/U-Mod	WR-19	UG-383/U-Mod
Material	Aluminum	Aluminum	Aluminum
Plating	Gold	Gold	Gold



Features:

- WR-19 Waveguide
- Typical attenuation level: 6 dB
- Operating Frequency Range from 40 GHz to 60 GHz
- UG-383/U-Mod cover Flanges
- 1.15:1 Typ. VSWR
- 3.0 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

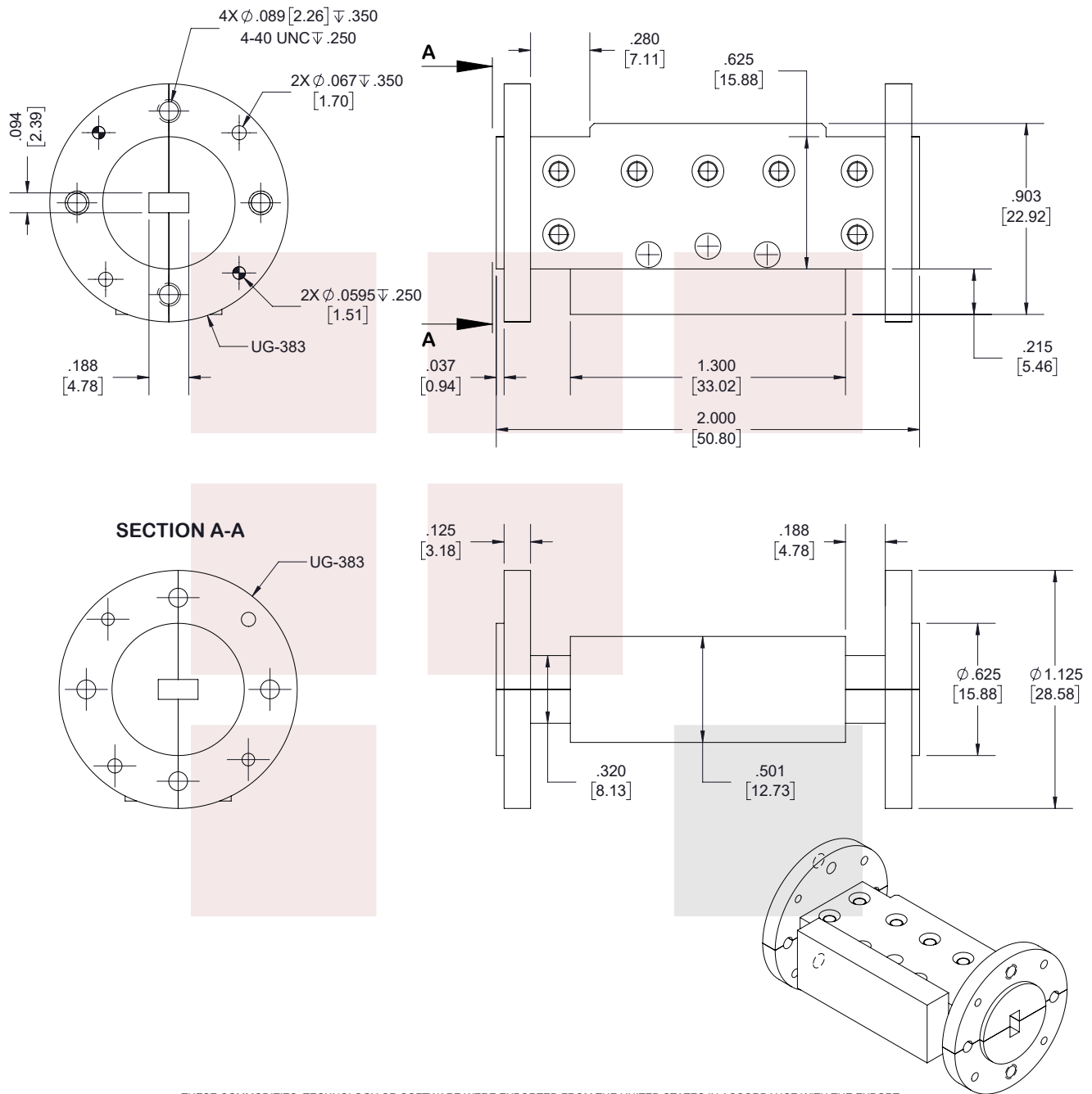
Notes:

6 dB Waveguide Fixed Attenuator, WR-19 with UG-383/U Cover Flange, Max Power 3W 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: [6 dB Waveguide Fixed Attenuator, WR-19 with UG-383/U Cover Flange, Max Power 3W FMWAT1009-6](#)

URL: <https://www.fairviewmicrowave.com/wr-19-waveguide-attenuator-fixed-60ghz-fmwat1009-6-p.aspx>

The information contained in 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 any liability arising out of the use of any part or documentation.



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TITLE

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

TOLERANCES:

.X = $\pm .2$ [5.08]
.XX = $\pm .02$ [.51]
.XXX = $\pm .005$ [.13]

FRACTIONS
 $\pm 1/32$
ANGLES $\pm 1^\circ$

CABLE LENGTH (L) TOLERANCES:

L ≤ 12 [305] = ± 1 [25] / -0
12 [305] < L ≤ 60 [1524] = ± 2 [51] / -0
60 [1524] < L ≤ 120 [3048] = ± 4 [102] / -0
120 [3048] < L ≤ 300 [7620] = ± 6 [152] / -0
300 [7620] < L = $\pm 5\%$ L / -0

THIRD-ANGLE PROJECTION



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SHEET 1 OF 1

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

SCALE N/A

SIZE A	CAGE CODE 3FKR5	DRAWN BY MVEERAPPAN	ITEM NO. FMWAT1009-XX	REV A
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