

**WR-12 Waveguide Continuously Variable Attenuator with Dial 0 to 30 dB Operating from 60 GHz to 90 GHz, UG-387/U Round Cover Flange**

**Electrical Specifications\***

Description	Min	Typ	Max	Units
Frequency Range	60		90	GHz
Impedance		50		Ohms
Typical Attenuation Value	0		30	dB
Insertion Loss			0.4	dB
Input Power			0.1	Watts
VSWR			1.15:1	

Values at 25°C, sea level

**Mechanical Specifications**

**Flange 1**

Interface	UG-387/U
Material	Aluminum
Plating	Gold
Color	GLD

**Waveguide**

Interface	WR-12
Material	Aluminum
Plating	Black Anodized
Color	GLD

**Flange 2**

Interface	UG-387/U
Material	Aluminum
Plating	Gold
Color	GLD

**Size**

Length	2.5 in [63.5 mm]
Width	0.75 in [19.05 mm]
Height	2.165 in [54.99 mm]
Weight	0.25 lbs [113.4 g]

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

**Plotted and Other Data**

Notes:

- Values at 25 °C, sea level



**Features:**

- Design: Continuously Variable Attenuator
- Waveguide: WR-12
- Flange: UG-387/U
- Body Material and Plating: Aluminum, Black Anodized

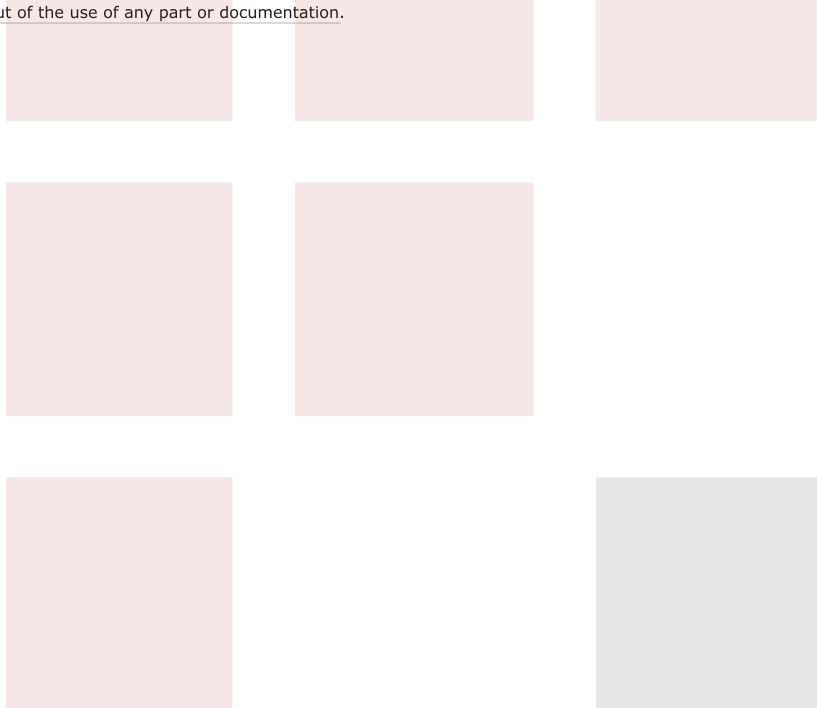
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WR-12 Waveguide Continuously Variable Attenuator with Dial 0 to 30 dB Operating from 60 GHz to 90 GHz, UG-387/U Round Cover Flange from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

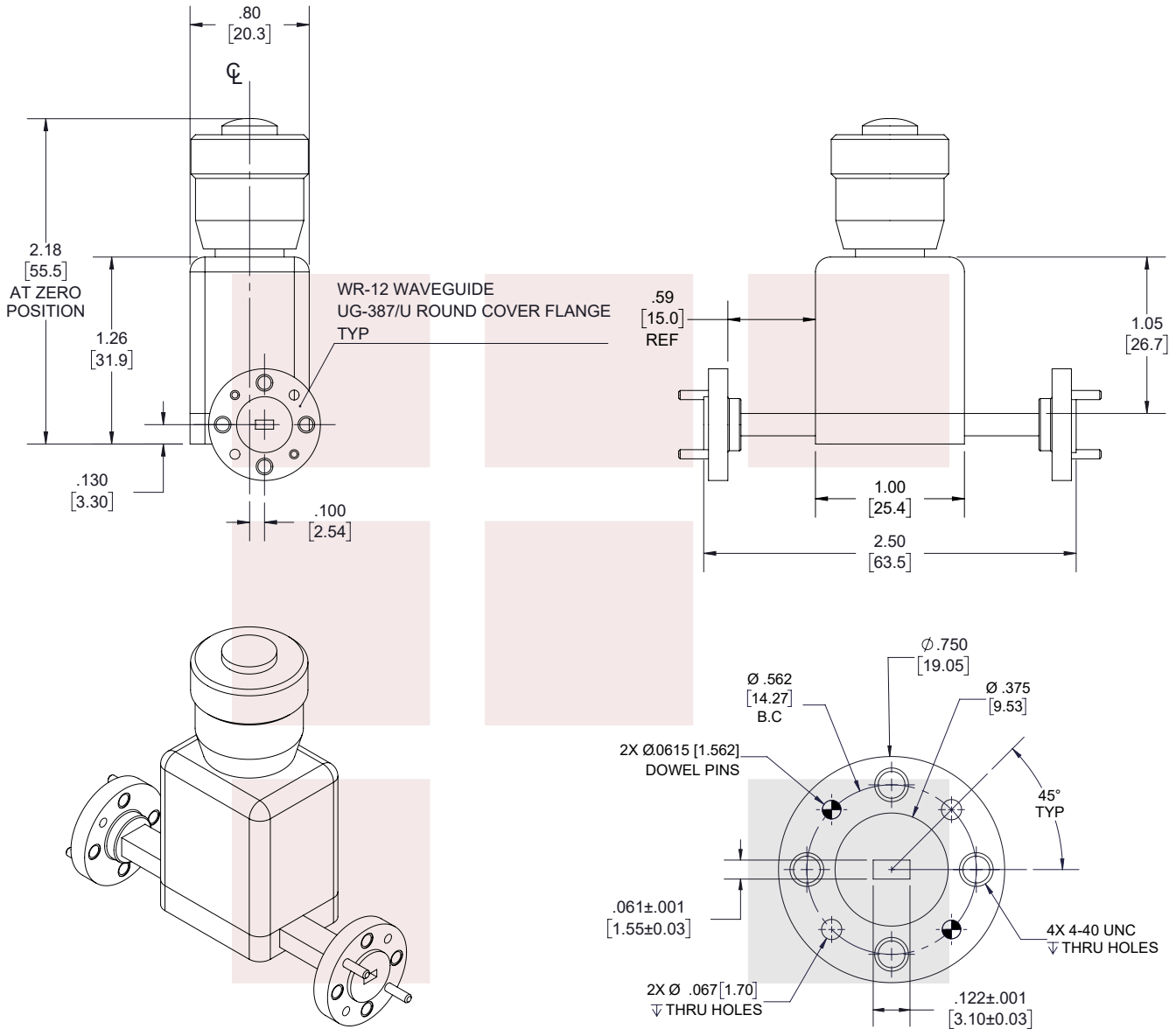
For additional information on this product, please click the following link: [WR-12 Waveguide Continuously Variable Attenuator with Dial 0 to 30 dB Operating from 60 GHz to 90 GHz, UG-387/U Round Cover Flange FMW12AT002-30](#)

URL: <https://www.fairviewmicrowave.com/wr-12-waveguide-continuously-variable-attenuator-30-db-ug387-round-fm-w12at002-30-p.aspx>

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	8/4/2020	S.PONG



LABEL:

FAIRVIEW MICROWAVE  
FMW12AT002-30  
D/C: YYWW

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TITLE

WR-12 Waveguide Continuously Variable Attenuator with Dial 0 to 30 dB Operating from 60 GHz to 90 GHz, UG-387/U Round Cover Flange

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

TOLERANCES: FRACTIONS ANGLES ± 1°

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 = +5%L / -0

THIRD-ANGLE PROJECTION



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SHEET 1 OF 1

SCALE N/A

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

SIZE A	CAGE CODE 3FKR5	DRAWN BY K.DANG	ITEM NO. FMW12AT002-30	REV A
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T-Rev.D