

Wide Angle Scalar Feed Horn Waveguide Antenna, WR-10, 89 GHz to 99 GHz, UG-385/U-Mod Round Cover Flange, 10 dBi Nominal Gain

Waveguide wide angle scalar feed horn antennas are used in a wide variety of applications due to their high power handling capability, low loss, high directivity, and near constant electrical performance across a broad bandwidth. Fairview Microwave's FMWAN1074 WR-10 waveguide wide angle scalar feed horn antenna operating from 94 GHz center frequency with a nominal 10 dBi gain is part of our full line of RF components available for same-day shipping. This Fairview Microwave circular horn antenna has a gold plated brass body and a precision tolerance UG-385/U-Mod round cover flange. The FMWAN1074 WR-10 waveguide wide angle scalar feed horn antenna offers low gain variation across its operating frequency range.

Configuration

Design	WR-10 Wide Angle Scalar Feed Horn
Pattern	Directional
Polarization	Linear

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	89		99	GHz
Nominal Gain		10		dBi
Horizontal 3dB Beam Width		56		Deg
Vertical 3dB Beam Width		55		Deg
VSWR		1.15:1		

Mechanical Specifications

Size	
Length	1.16 in [29.46 mm]
Width/Diameter	0.75 in [19.05 mm]
Height	0.75 in [19.05 mm]
Weight	0.047 lbs [21.32 g]

Waveguide Interface

Waveguide Size	WR-10
Flange Type	Round Cover
Flange Designation	UG-385/U-Mod
Body Material and Plating	Brass, Gold

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

Plotted and Other Data

Notes:



Features:

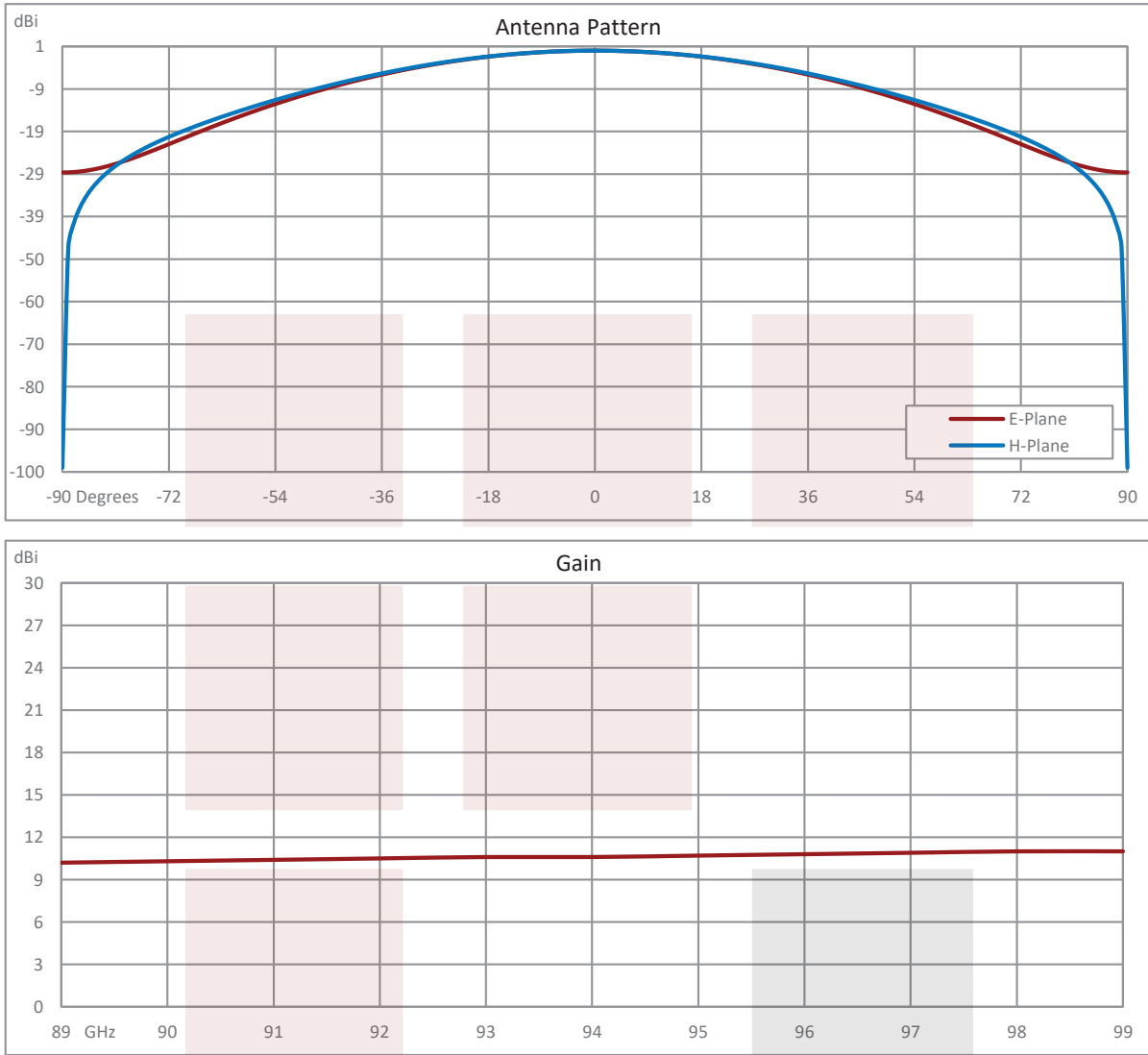
- Circular Waveguide Interface
- 94 GHz center frequency
- 10 dBi Nominal Gain
- UG-385/U-Mod Round Cover Flange

Applications:

- Antenna Measurements
- Wireless Communication
- Laboratory Use
- Microwave Radio Systems

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Typical Performance Data

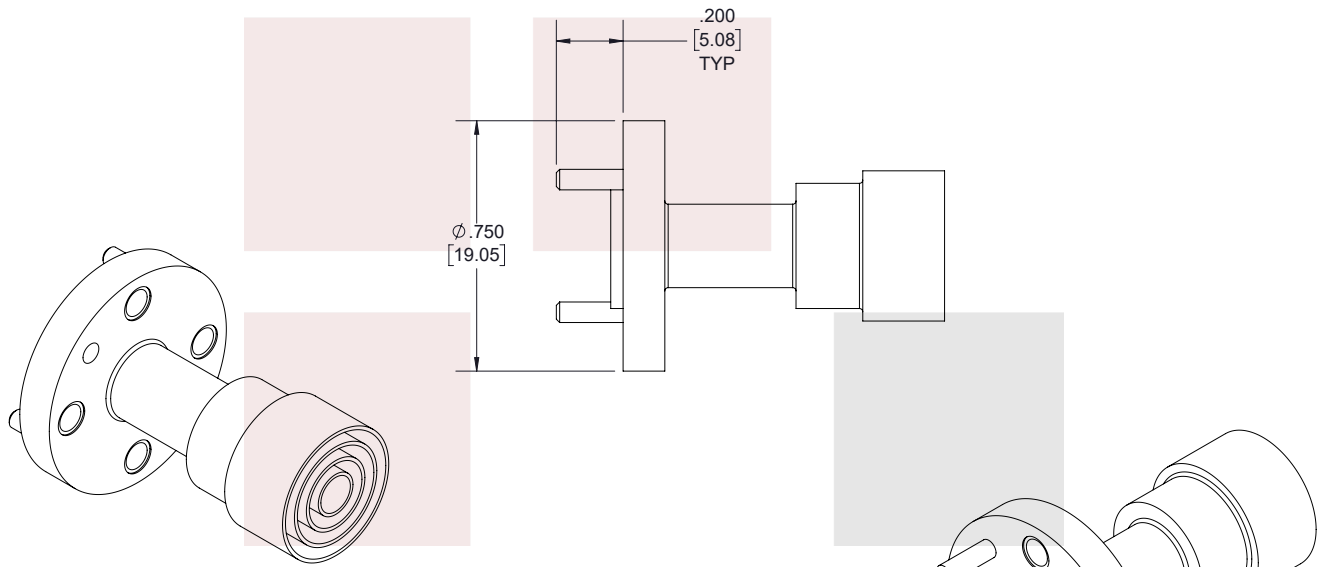
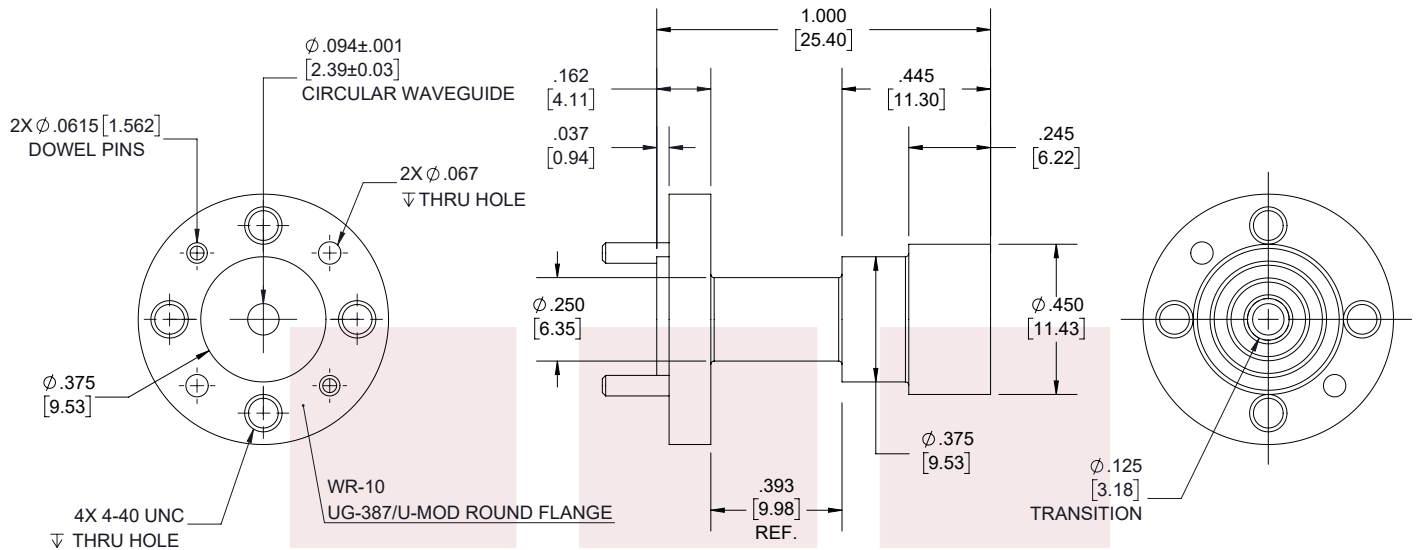


Wide Angle Scalar Feed Horn Waveguide Antenna, WR-10, 89 GHz to 99 GHz, UG-385/U-Mod Round Cover Flange, 10 dBi Nominal Gain from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [Wide Angle Scalar Feed Horn Waveguide Antenna, WR-10, 89 GHz to 99 GHz, UG-385/U-Mod Round Cover Flange, 10 dBi Nominal Gain FMWAN1074](#)

URL: <https://www.fairviewmicrowave.com/wr-10-waveguide-standard-gain-horn-10-dbi-ug-385-mod-fmwan1074-p.aspx>

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STANDARD TOLERANCES	
.X	± 0.2
.XX	± 0.01
.XXX	± 0.005

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

<p>Fairview Microwave RF COMPONENTS ON DEMAND. <i>Done!</i></p>	NOTES: 1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL. 2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME. 3. DIMENSIONS ARE IN INCHES [mm].							
	DWG NO FMWAN1074			CAGE CODE 3FKR5				
TITLE Wide Angle Scalar Feed Horn Waveguide Antenna, WR-10, 89 GHz to 99 GHz, UG-385/U-Mod Round Cover Flange, 10 dBi Nominal Gain								
CAD FILE	02/22/19	SHEET	1 OF 1	SCALE	N/A	SIZE	A	7361