

## Conical Gain Horn Waveguide Antenna, WR-15, 58 GHz to 68 GHz, UG-385/U Round Cover Flange, 20 dBi Nominal Gain

Waveguide conical gain 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 FMWAN1039 WR-15 waveguide conical gain horn antenna operating from 58 GHz to 68 GHz with a nominal 20 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 round cover flange. The FMWAN1039 WR-15 waveguide conical gain horn antenna offers low gain variation across its operating frequency.

### Configuration

Design	WR-15 Conical Gain Horn
Pattern	Directional
Polarization	Linear

### Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	58		68	GHz
Nominal Gain		20		dBi
Horizontal 3dB Beam Width		20		Deg
Vertical 3dB Beam Width		16		Deg
VSWR		1.15:1		

### Mechanical Specifications

<b>Size</b>	
Length	3.26 in [82.8 mm]
Width/Diameter	0.864 in [21.95 mm]
Height	0.864 in [21.95 mm]
Weight	0.099 lbs [44.91 g]

### Waveguide Interface

Waveguide Size	WR-15
Flange Type	Round Cover
Flange Designation	UG-385/U
Body Material and Plating	Brass, Gold

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

### Plotted and Other Data

Notes:



### Features:

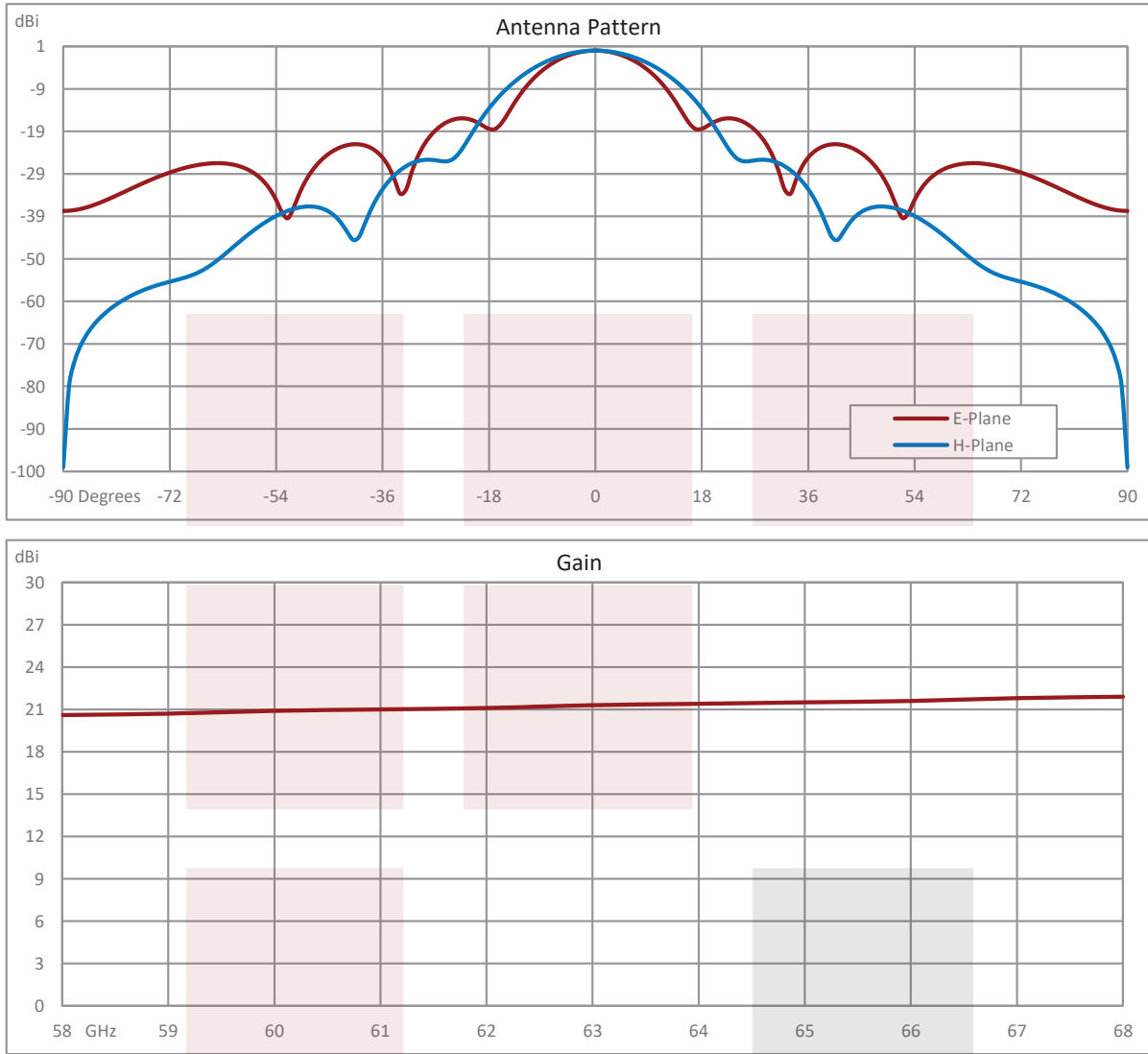
- Circular Waveguide Interface
- 58 GHz to 68 GHz
- 20 dBi Nominal Gain
- UG-385/U Round Cover Flange

### Applications:

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

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**Typical Performance Data**

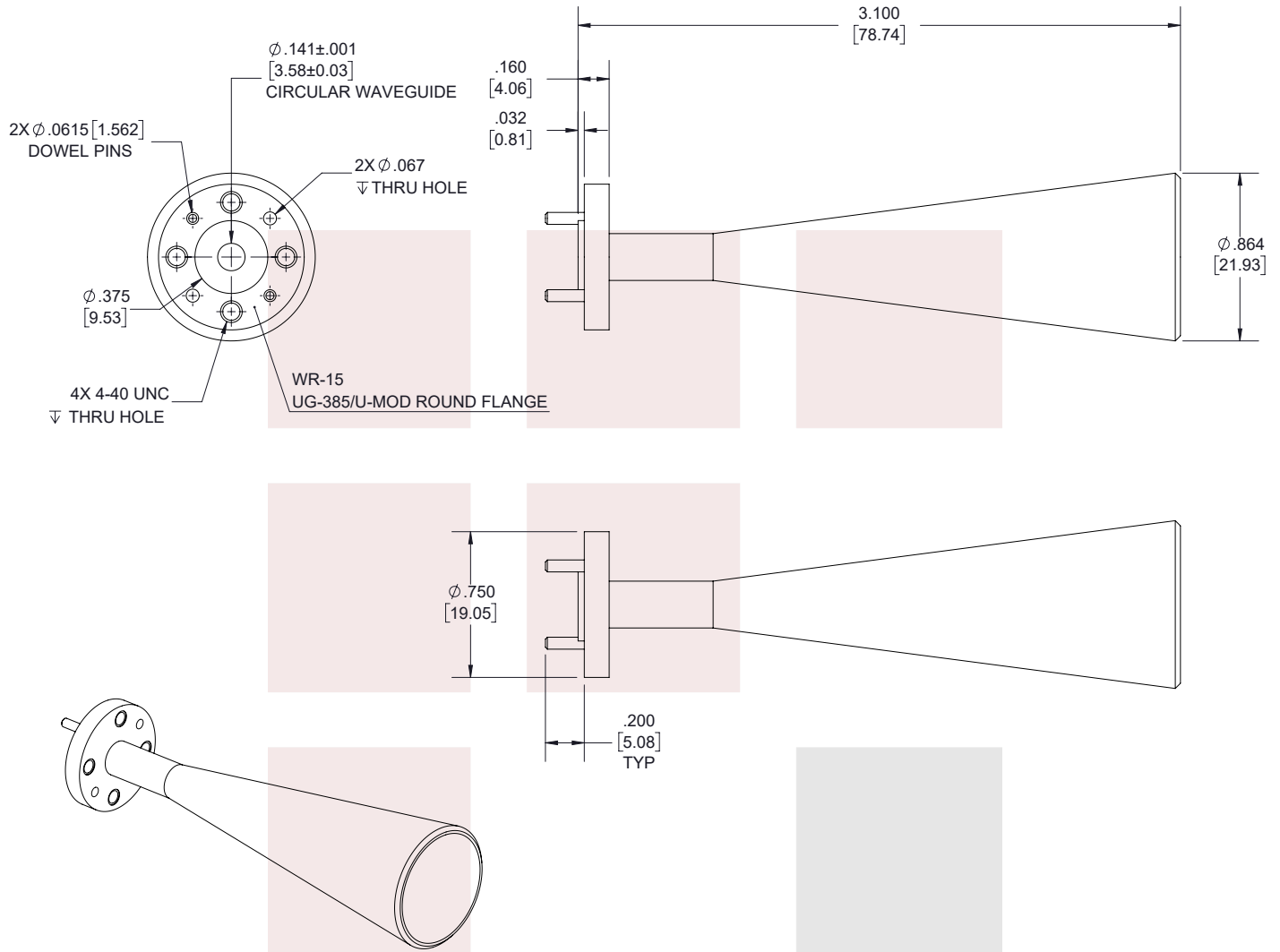


Conical Gain Horn Waveguide Antenna, WR-15, 58 GHz to 68 GHz, UG-385/U Round Cover Flange, 20 dBi Nominal Gain from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [Conical Gain Horn Waveguide Antenna, WR-15, 58 GHz to 68 GHz, UG-385/U Round Cover Flange, 20 dBi Nominal Gain FMWAN1039](https://www.fairviewmicrowave.com/wr-15-waveguide-standard-gain-horn-20-dbi-ug-385-fmwan1039-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><b>Fairview Microwave</b> 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 <b>FMWAN1039</b>		CAGE CODE <b>3FKR5</b>		
TITLE  Conical Gain Horn Waveguide Antenna, WR-15, 58 GHz to 68 GHz, UG-385/U Round Cover Flange, 20 dB Nominal Gain	CAD FILE 02/22/19	SHEET 1 OF 1	SCALE N/A	SIZE A	7361