

## Standard Gain Horn Waveguide Antenna, WR-19, 40 GHz to 60 GHz, UG-383/U-Mod Round Cover Flange, 25 dBi Nominal Gain

Waveguide standard 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 FMWAN1008 WR-19 waveguide standard gain horn antenna operating from 40 GHz to 60 GHz with a nominal 25 dBi gain is part of our full line of RF components available for same-day shipping. This Fairview Microwave pyramidal horn antenna has a gold plated brass body and a precision tolerance UG-383/U-Mod round cover flange. The FMWAN1008 WR-19 waveguide standard gain horn antenna offers low gain variation across its operating frequency range.



### Configuration

Design	WR-19 Standard Gain Horn
Pattern	Directional
Polarization	Linear

### Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	40		60	GHz
Nominal Gain		25		dBi
Gain	23.5		26	dBi
Horizontal 3dB Beam Width		10		Deg
Vertical 3dB Beam Width		9		Deg
VSWR		1.15:1		

### Mechanical Specifications

<b>Size</b>	
Length	4.86 in [123.44 mm]
Width/Diameter	1.94 in [49.28 mm]
Height	1.507 in [38.28 mm]
Weight	0.17 lbs [77.11 g]

### Waveguide Interface

Waveguide Size	WR-19
Flange Type	Round Cover
Flange Designation	UG-383/U-Mod
Body Material and Plating	Brass, Gold

z

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

### Plotted and Other Data

Notes:

### Features:

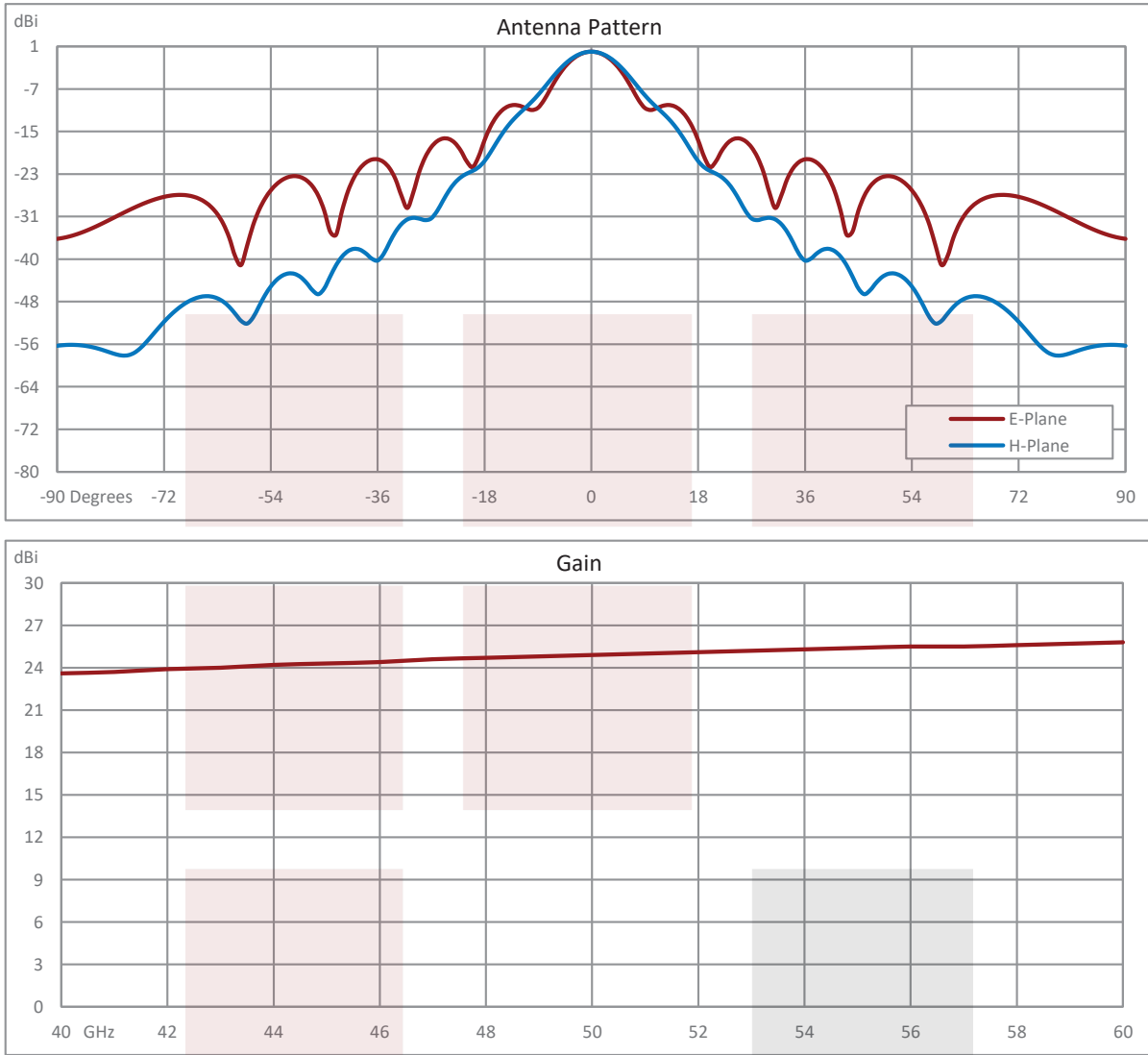
- Rectangular Waveguide Interface
- 40 GHz to 60 GHz
- 25 dBi Nominal Gain
- UG-383/U-Mod Round Cover Flange

### Applications:

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

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**Typical Performance Data**

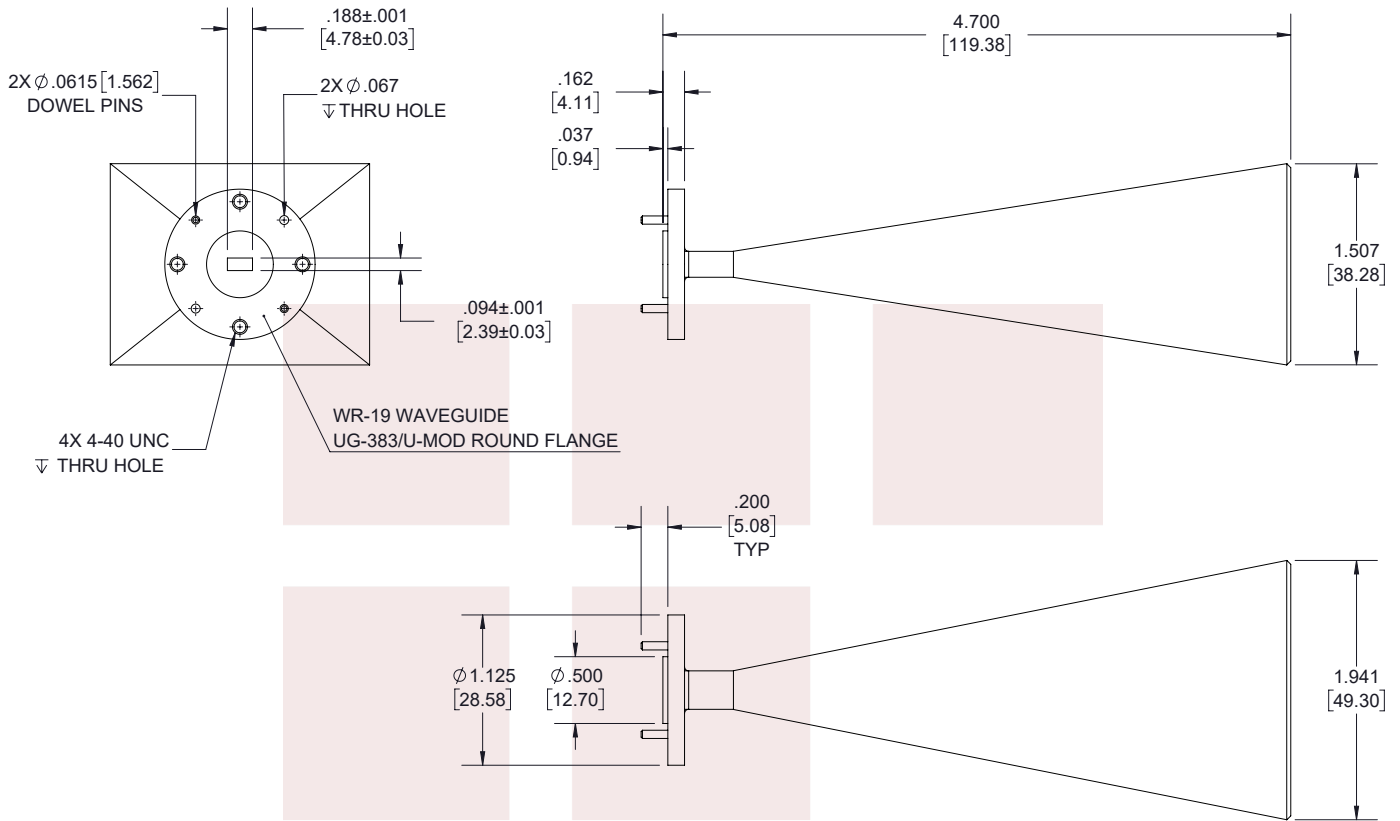


Standard Gain Horn Waveguide Antenna, WR-19, 40 GHz to 60 GHz, UG-383/U-Mod Round Cover Flange, 25 dBi Nominal Gain from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [Standard Gain Horn Waveguide Antenna, WR-19, 40 GHz to 60 GHz, UG-383/U-Mod Round Cover Flange, 25 dBi Nominal Gain FMWAN1008](https://www.fairviewmicrowave.com/wr-19-waveguide-standard-gain-horn-25-dbi-ug-383-mod-fmwan1008-p.aspx)

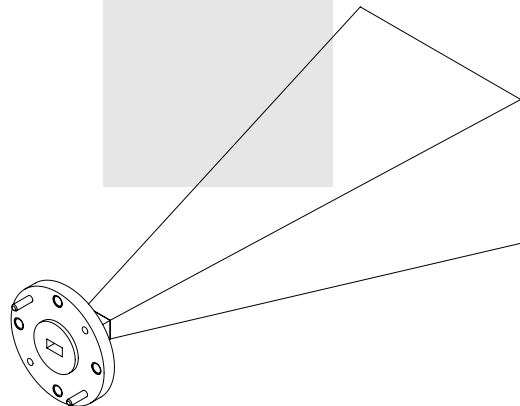
URL: <https://www.fairviewmicrowave.com/wr-19-waveguide-standard-gain-horn-25-dbi-ug-383-mod-fmwan1008-p.aspx>

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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>FMWAN1008</b>				CAGE CODE <b>3FKR5</b>			
	CAD FILE	02/21/19	SHEET	1 OF 1	SCALE	N/A	SIZE	A
TITLE Standard Gain Horn Waveguide Antenna, WR-19, 40 GHz to 60 GHz, UG-383/U-Mod Round Cover Flange, 25 dBi Nominal Gain								