

WR-12 Waveguide Standard Gain Horn Antenna With UG-387/U Flange, 25 dBi Gain and 60 GHz to 90 GHz

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 FMWAN1016 WR-12 waveguide standard gain horn antenna operating from 60 GHz to 90 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-387/U round cover flange. The FMWAN1016 WR-12 waveguide standard gain horn antenna offers low gain variation across its operating frequency range.

Configuration

Design	WR-12 Standard Gain Horn
Pattern	Directional
Polarization	Linear

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	60		90	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

Size	
Length	4.16 in [105.66 mm]
Width/Diameter	1.429 in [36.3 mm]
Height	1.17 in [29.72 mm]
Weight	0.059 lbs [26.76 g]

Waveguide Interface

Waveguide Size	WR-12
Flange Type	Round Cover
Flange Designation	UG-387/U
Body Material and Plating	Brass, Gold



Features:

- Rectangular Waveguide Interface
- 60 GHz to 90 GHz
- 25 dBi Nominal Gain
- UG-387/U Round Cover Flange

Applications:

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

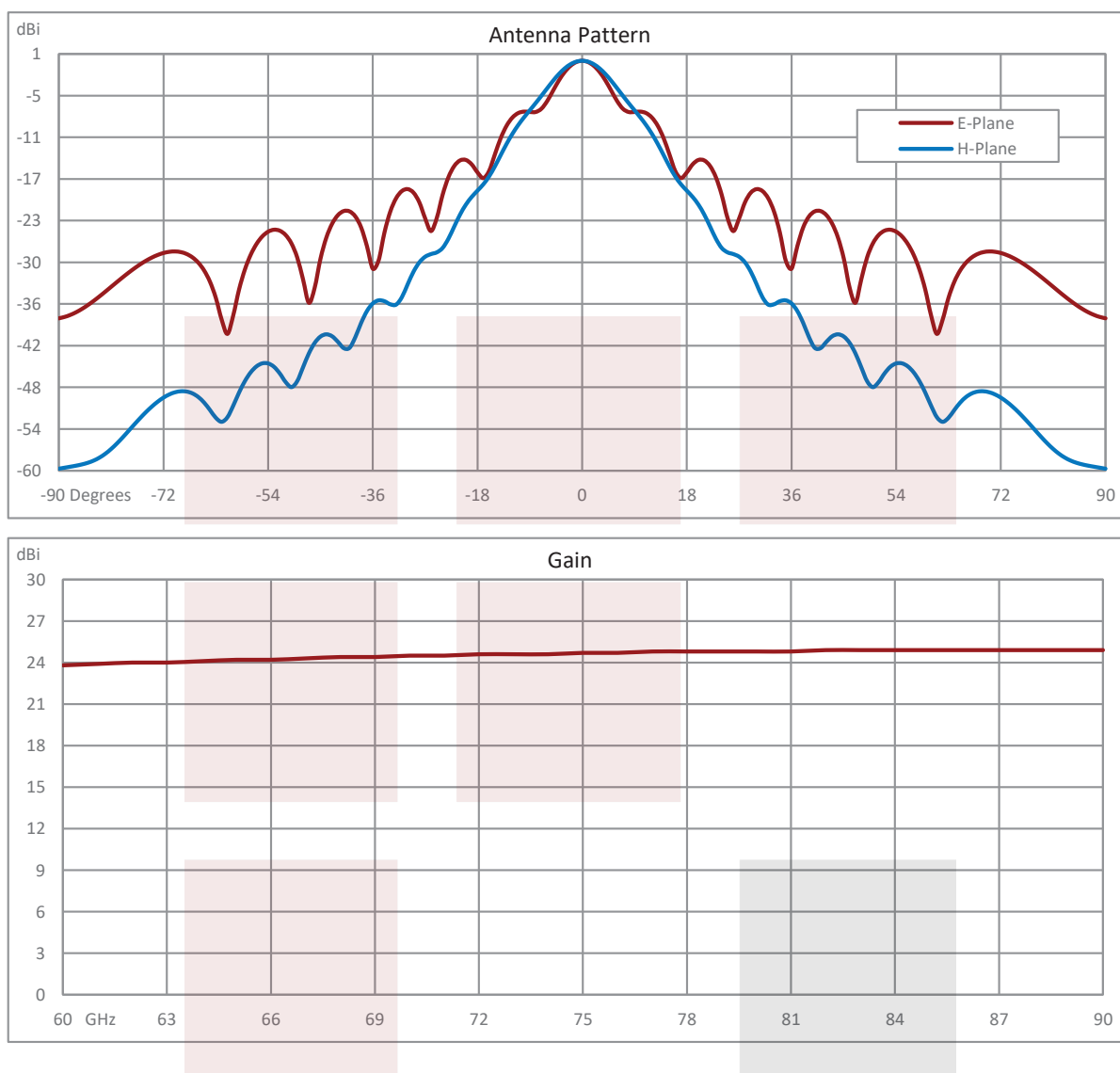
Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

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Typical Performance Data



WR-12 Waveguide Standard Gain Horn Antenna With UG-387/U Flange, 25 dBi Gain and 60 GHz to 90 GHz 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 Standard Gain Horn Antenna With UG-387/U Flange, 25 dBi Gain and 60 GHz to 90 GHz FMWAN1016](https://www.fairviewmicrowave.com/wr-12-waveguide-standard-gain-horn-25-dbi-ug-387-fmwan1016-p.aspx)

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