

WR-12 Waveguide Dual Polarized Horn Antenna, 60 GHz to 90 GHz Frequency Range, 15 dBi Nominal Gain, UG-387/U Flange

The FMWAN012-150MT from Fairview Microwave is a waveguide probe antenna, often known as a waveguide horn, and is just one of several waveguide components we provide. This dual polarized horn is manufactured with a WR-12 waveguide size. Our WR-12 probe antenna is constructed with a UG-387/U flange and built to precise RF/microwave/millimeter waveguide horn antenna design specifications.

Fairview Microwave's WR-12 waveguide antenna with UG-387/U flange has a 15 dBi nominal gain and is currently available for purchase. Our WR-12 15 dBi gain dual polarized horn has a minimum frequency of 60 GHz and a maximum frequency of 90 GHz. This waveguide WR-12 probe horn antenna has a typical vertical beam width of 33 degrees and a horizontal beam width of 28 degrees at 3 dB.

The FMWAN012-150MT waveguide horn antenna with linear/circular polarization has a typical VSWR of 1.3:1 and is suitable for test and measurement industries. This high-quality 15 dBi gain WR-12 probe antenna has a copper body with gold plating. The dual polarized horn with a UG-387/U flange can operate at temperatures ranging from -40 to 85 degrees C.

In the given datasheet specifications, you can find more information about this WR-12 probe waveguide horn with a 60–90 GHz frequency range. This waveguide probe antenna is part of over one million RF, microwave, and millimeter wave components in stock. Our part number FMWAN012-150MT dual polarized horn is ready for same-day purchase and shipping worldwide. Fairview Microwave also stocks a wide array of other waveguide products that ship the same day from our warehouse for all your RF/microwave and millimeter waveguide component needs.

Configuration

Design	WR-12 Probe
Polarization	Linear/Circular

Electrical Specifications

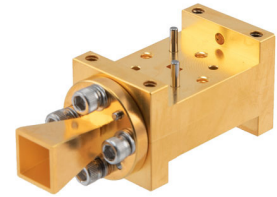
Description	Min	Typ	Max	Units
Frequency Range	60		90	GHz
Nominal Gain		15		dBi
Horizontal 3dB Beam Width		28		Deg
Vertical 3dB Beam Width		33		Deg
VSWR		1.3:1		

Mechanical Specifications

Size	
Length	2.03 in [51.56 mm]
Width/Diameter	0.8 in [20.32 mm]
Height	0.8 in [20.32 mm]
Weight	0.012 lbs [5.44 g]

Waveguide Interface

Waveguide Size	WR-12
Flange Designation	UG-387/U
Body Material and Plating	Copper, Gold



Features:

- WR-12 rectangular waveguide interface
- Precisely machined
- Gold plated copper Body
- Linear/Circular polarization
- 60 GHz to 90 GHz, gain 15 dBi
- UG-387/U flange
- Min. VSWR < 1.3 :1
- Excellent repeatability

Applications:

- Antenna measurements
- Microwave radio systems
- Wireless communications
- Radome, automotive, satellite antenna testing
- Laboratory use
- Near-field measurements

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Environmental Specifications

Temperature

Operating Range -40 to 85 deg C

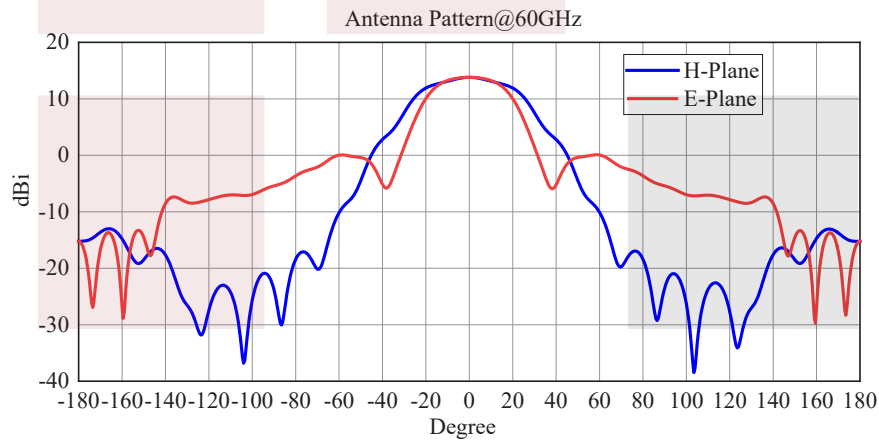
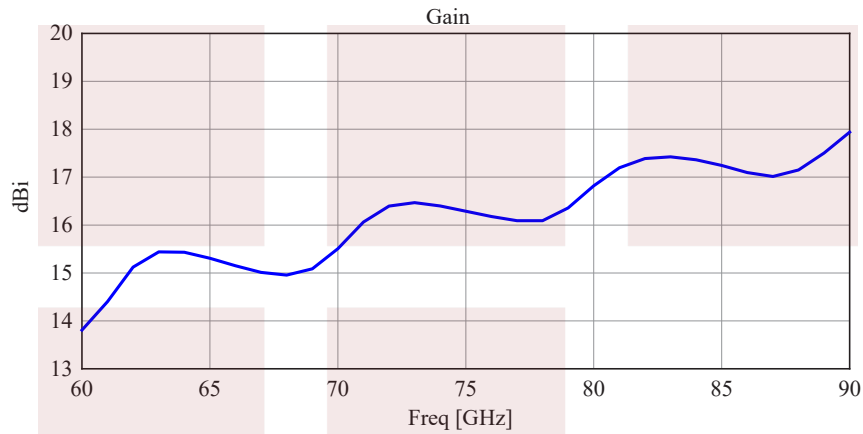
Compliance Certifications (see [product page](#) for current document)

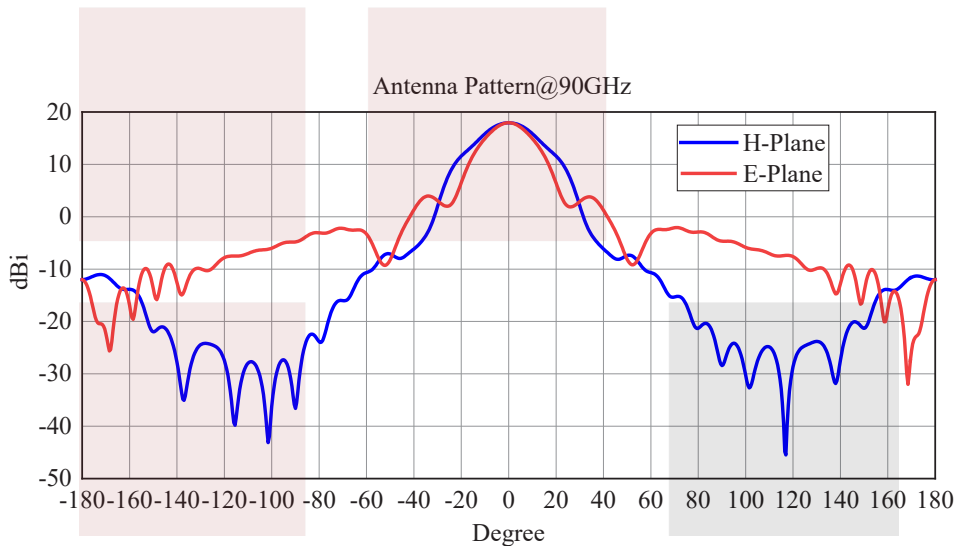
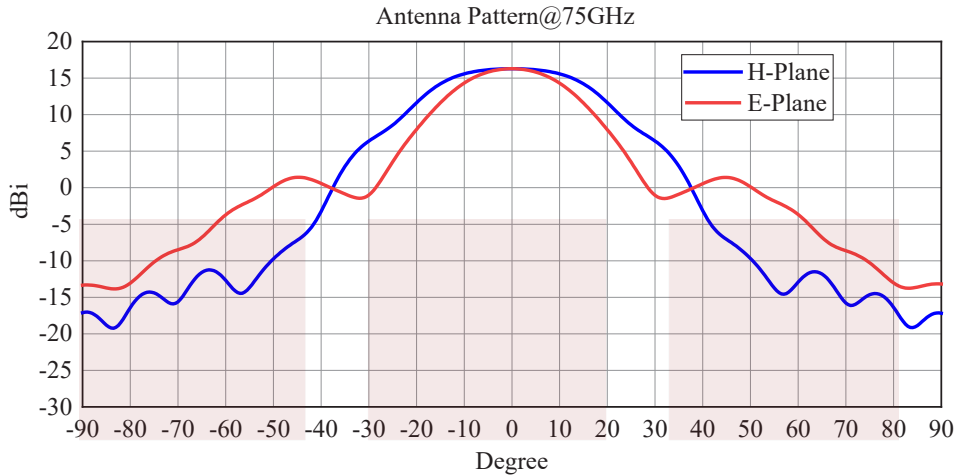
Plotted and Other Data

Notes:

Typical Performance Data

Gain:





WR-12 Waveguide Dual Polarized Horn Antenna, 60 GHz to 90 GHz Frequency Range, 15 dBi Nominal Gain, UG-387/U 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 Dual Polarized Horn Antenna, 60 GHz to 90 GHz Frequency Range, 15 dBi Nominal Gain, UG-387/U Flange FMWAN012-150MT](https://www.fairviewmicrowave.com/wr-12-waveguide-standard-gain-horn-15-dbi-ug-387-fmwan012-150mt-p.aspx)

URL: <https://www.fairviewmicrowave.com/wr-12-waveguide-standard-gain-horn-15-dbi-ug-387-fmwan012-150mt-p.aspx>

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