

## WR-15 Waveguide Dual Polarized Horn Antenna, 50 GHz to 75 GHz Frequency Range, 15 dBi Nominal Gain, UG-385/U Flange

The FMWAN012-14OMT 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-15 waveguide size. Our WR-15 probe antenna is constructed with a UG-385/U flange and built to precise RF/microwave/millimeter waveguide horn antenna design specifications.

Fairview Microwave's WR-15 waveguide antenna with UG-385/U flange has a 15 dBi nominal gain and is currently available for purchase. Our WR-15 15 dBi gain dual polarized horn has a minimum frequency of 50 GHz and a maximum frequency of 75 GHz. This waveguide WR-15 probe horn antenna has a typical vertical beam width of 33 degrees and a horizontal beam width of 28 degrees at 3 dB.

The FMWAN012-14OMT 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-15 probe antenna has a copper body with gold plating. The dual polarized horn with a UG-385/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-15 probe waveguide horn with a 50–75 GHz frequency range. This waveguide probe antenna is part of over one million RF, microwave, and millimeter wave components in stock. Our part number FMWAN012-14OMT 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-15 Probe  
Polarization Linear/Circular

### Electrical Specifications

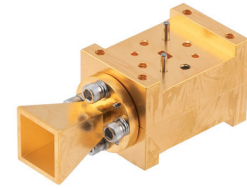
Description	Min	Typ	Max	Units
Frequency Range	50		75	GHz
Nominal Gain		15		dBi
Horizontal 3dB Beam Width		28		Deg
Vertical 3dB Beam Width		33		Deg
VSWR		1.3:1		

### Mechanical Specifications

**Size**  
 Length 2.05 in [52.07 mm]  
 Width/Diameter 0.8 in [20.32 mm]  
 Height 0.8 in [20.32 mm]  
 Weight 0.092 lbs [41.73 g]

### Waveguide Interface

Waveguide Size WR-15  
 Flange Designation UG-385/U  
 Body Material and Plating Copper, Gold



### Features:

- WR-15 rectangular waveguide interface
- Precisely machined
- Gold plated copper Body
- Linear/Circular polarization
- 50 GHz to 75 GHz, gain 15 dBi
- UG-385/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

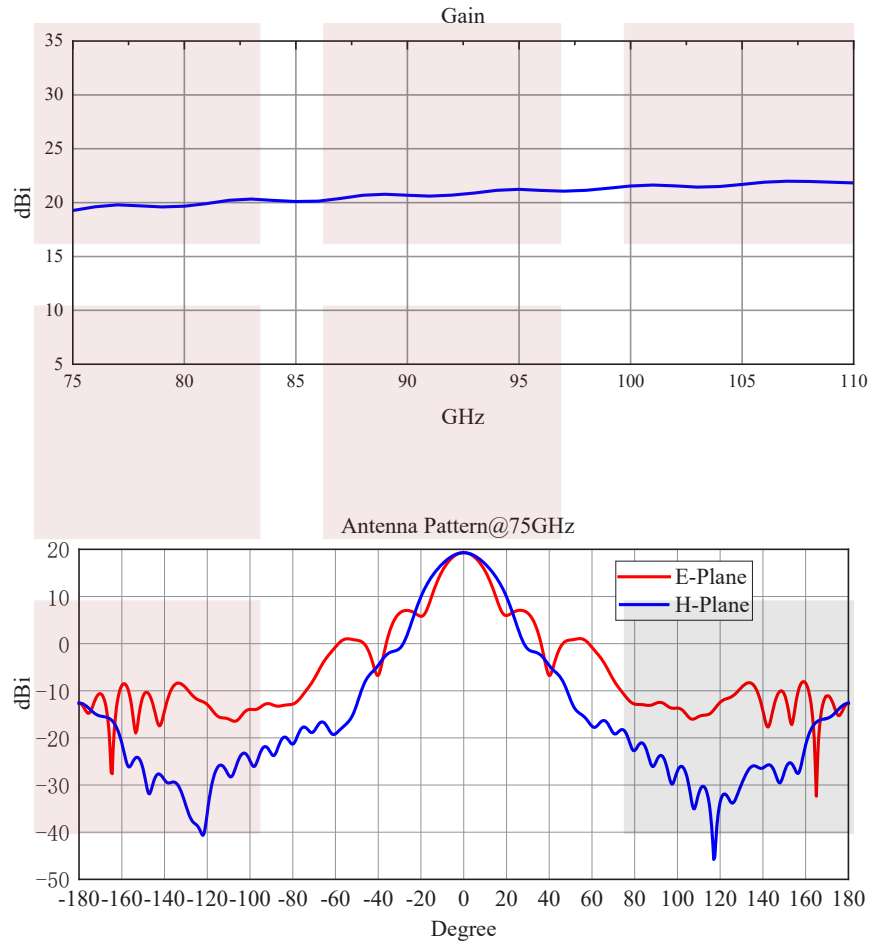
**Compliance Certifications** (see [product page](#) for current document)

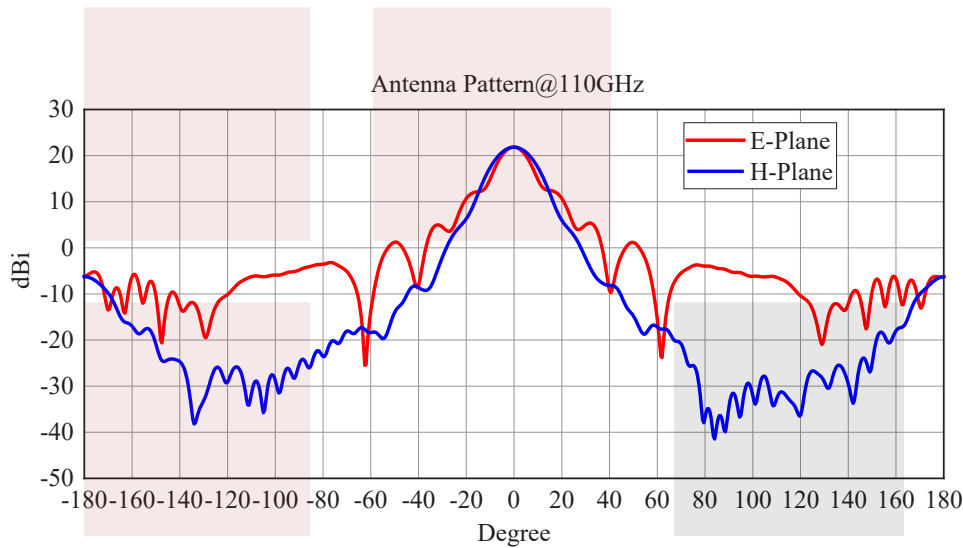
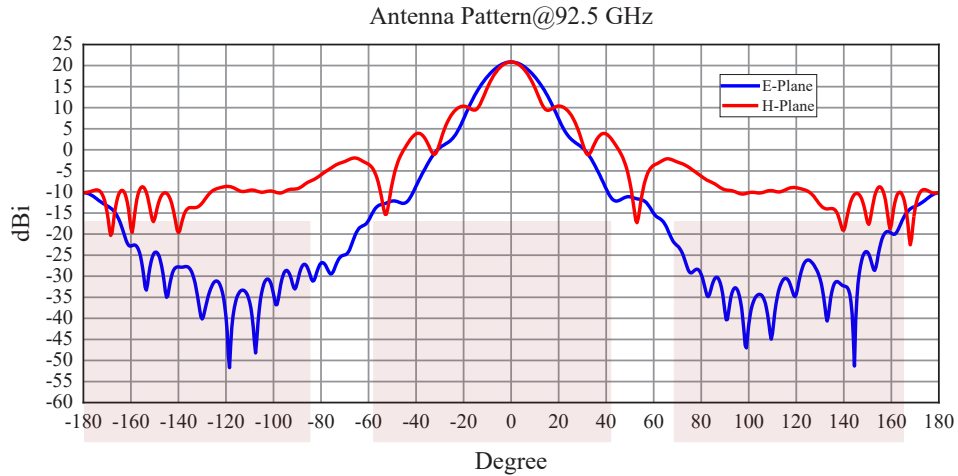
**Plotted and Other Data**

Notes:

**Typical Performance Data**

Gain:





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For additional information on this product, please click the following link: [WR-15 Waveguide Dual Polarized Horn Antenna, 50 GHz to 75 GHz Frequency Range, 15 dBi Nominal Gain, UG-385/U Flange FMWAN012-14OMT](https://www.fairviewmicrowave.com/wr-15-waveguide-standard-gain-horn-15-dbi-ug-385-fmwan012-14omt-p.aspx)

URL: <https://www.fairviewmicrowave.com/wr-15-waveguide-standard-gain-horn-15-dbi-ug-385-fmwan012-14omt-p.aspx>

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