

WR-650 Waveguide Standard Gain Horn Antenna Operating From 1.13 GHz to 1.73 GHz, 10 dBi Gain with CPR-650F Flange

The FMWAN650-10 standard horn antenna (also known as waveguide horn) from Fairview is part of our comprehensive selection of waveguide antennas. This WR-650 waveguide horn features an CPR-650F waveguide flange and operates from 1130 to 1730 MHz.

Our FMWAN650-10 standard gain horn antenna has a nominal gain of 10 dBi with a typical input VSWR of 1.5:1. Fairview's waveguide horns are available in 10, 15, and 20 dBi models with varying frequency ranges to suit the application needs.

Waveguide antennas, such as the FMWAN650-10 are used in a wide variety of applications due to the high-power handling capability, low loss, high directivity, and near constant electrical performance. Our WR-650 waveguide antennas with are part of over 40,000 RF, microwave, and millimeter wave components from Fairview available worldwide and Ship same day.

Configuration

Design	WR-650 Standard Gain Horn
Pattern	Directional
Polarization	Linear

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	1.13		1.73	GHz
Nominal Gain		10		dBi
Horizontal 3dB Beam Width		55		Deg
Vertical 3dB Beam Width		55		Deg
VSWR			1.5:1	

Mechanical Specifications

Size	
Length	11 in [279.4 mm]
Width/Diameter	12.4 in [314.96 mm]
Height	9.3 in [236.22 mm]
Weight	5.0715 lbs [2.3 kg]

Waveguide Interface

Waveguide Size	WR-650
Flange Type	CPR-650F
Body Material and Plating	Aluminum



Features:

- 1130 MHz to 1730 MHz
- Linearly Polarized
- 10 dBi Nominal Gain
- WR-650 with CPR-650F Flange
- Powder Coated Aluminum

Applications:

- Antenna Measurements
- Wireless Communication
- Laboratory Use
- Microwave Testing
- Radome Testing
- EMC measurement
- Satellite Antenna Testing

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

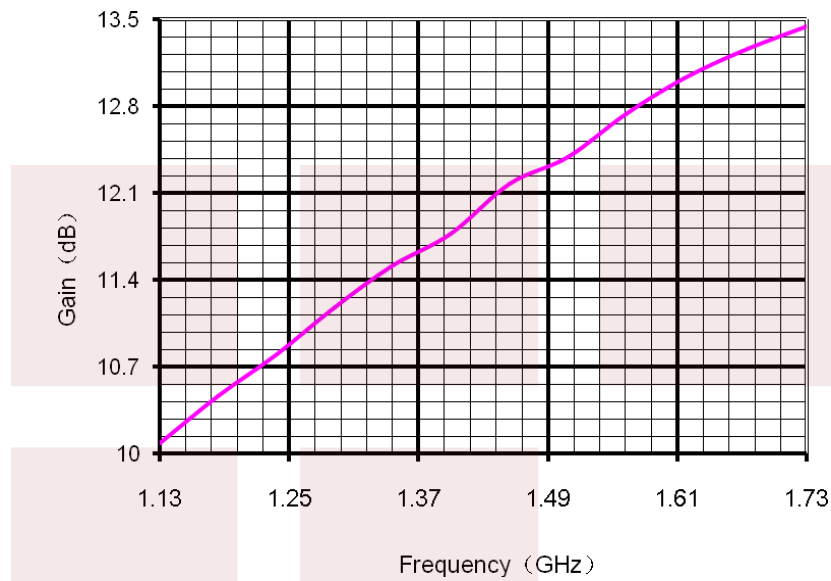
Plotted and Other Data

Notes:

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Typical Performance Data

Gain VS Frequency Curve:



Freq	Gain	Freq	Gain
1.13 GHz	10.08 dB	1.45 GHz	12.17 dB
1.18 GHz	10.47 dB	1.51 GHz	12.39 dB
1.24 GHz	10.80 dB	1.56 GHz	12.74 dB
1.29 GHz	11.18 dB	1.62 GHz	13.02 dB
1.35 GHz	11.52 dB	1.67 GHz	13.25 dB
1.40 GHz	11.77 dB	1.73 GHz	13.45 dB

WR-650 Waveguide Standard Gain Horn Antenna Operating From 1.13 GHz to 1.73 GHz, 10 dBi Gain with CPR-650F 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-650 Waveguide Standard Gain Horn Antenna Operating From 1.13 GHz to 1.73 GHz, 10 dBi Gain with CPR-650F Flange FMWAN650-10](#)

URL: <https://www.fairviewmicrowave.com/wr-650-waveguide-standard-gain-horn-antenna-operating-from-1.13-ghz-to-1.73-ghz-10-dbi-gain-with-cpr-650f-flange-fmwan650-10-p.aspx>

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