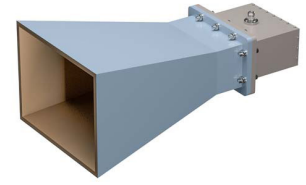


WR-650 Waveguide Standard Gain Horn Antenna Operating From 1.13 GHz to 1.73 GHz, 10 dBi Gain with N Type Female



FMWAN650-10NF

Features

- 1130 MHz to 1730 MHz
- Linearly Polarized
- 10 dBi Nominal Gain
- WR-650 with Type N Female connector
- Powder Coated Aluminum

Applications

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

Description

The FMWAN650-10NF standard horn antenna (also known as waveguide horn) from Fairview Microwave is part of our comprehensive selection of waveguide antennas. This WR-650 waveguide horn features an N Female Coax Connector and operates from 1130 to 1730 MHz.

Our FMWAN650-10NF standard gain horn antenna has a nominal gain of 10 dBi with a typical input VSWR of 1.5:1. Fairview Microwave'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 FMWAN650-10NF 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 Microwave available worldwide and ship same day.

Configuration

Design	WR-650
Pattern	Directional
Polarization	Linear
Coaxial Interface	N Female

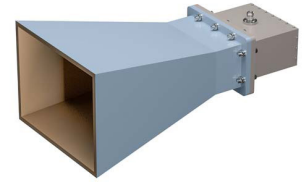
Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	1.13		1.73	GHz
Gain		10		
Horizontal Half Power Beam Width		55		Degrees
Vertical Half Power Beam Width		55		Degrees
Waveguide to Coaxial Adapter				
VSWR			1.25:1	

Mechanical Specifications

Size	
Length	17 in [431.8 mm]
Width	12.4 in [314.96 mm]
Height	9.3 in [236.22 mm]
Weight	8.4715 lbs [3.84 kg]

WR-650 Waveguide Standard Gain Horn Antenna Operating From 1.13 GHz to 1.73 GHz, 10 dBi Gain with N Type Female



FMWAN650-10NF

RF Connector	
Type	N Female
Waveguide Interface	
Waveguide Size	WR-650

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

Plotted and Other Data

Notes:

Typical Performance Data

WR-650 Waveguide Standard Gain Horn Antenna Operating From 1.13 GHz to 1.73 GHz, 10 dBi Gain with N Type Female 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 N Type Female FMWAN650-10NF](#)

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-n-type-female-fmwan650-10nf-p.aspx>

The information contained within this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part in order to implement improvements. Fairview Microwave reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Fairview Microwave does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Fairview Microwave does not assume liability arising out of the use of any part or document.

FMWAN650-10NF CAD Drawing

WR-650 Waveguide Standard Gain Horn Antenna Operating From 1.13 GHz to 1.73 GHz, 10 dBi Gain with N Type Female

