

FMWAN102-20NF DATA SHEET

WR-102 Standard Gain Horn with 20 dBi gain, N Female connector

The FMWAN102-20NF standard gain horn antenna (also known as waveguide horn) from Fairview Microwave is part of our comprehensive selection of waveguide antennas. This standard gain horn is mated with a WR-102 to N Female waveguide to coaxial adapter and operates from 7 GHz to 11 GHz.

Our FMWAN102-20NF standard gain horn antenna has a nominal gain of 20 dBi with a Horizontal and Vertical HPBW (Half Power Beam Width) of 17.5 dB and 17.3 dB respectively. Fairview Microwave's N Female to WR-102 standard gain horns are available in 10, 15 and 20 dBi models with pyramidal shape and connectorized input.

Waveguide antennas, such as the FMWAN102-20NF 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-102 waveguide antennas with N Female interface is part of over 40,000 RF, microwave and millimeter wave components from Fairview Microwave available worldwide and Ship same day.

Configuration

Design WR-102 Standard Gain Horn

Coaxial Interface N Female

Electrical Specifications

Description	Min	Тур	Max	Units
Frequency Range	7		11	GHz
Waveguide Standard Gain Horn				
Gain		20		dBi
Horizontal 3dB Beam W	/idth	17.5		Degrees
Vertical 3dB Beam Widt	h	17.3		Degrees
Waveguide to Coaxial	Adapter			
Input VSWR			1.3:1	

Mechanical Specifications

Size

 Length
 12.233 in 310.72 mm

 Width/Diameter
 4.988 in 126.7 mm

 Height
 3.701 in 94.01 mm

 Weight
 1.169 lbs 530.25 g

RF Connector

Type N Female

Waveguide Interface

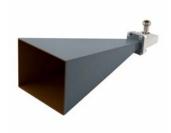
Waveguide Size WR-102

Environmental Specifications

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:



Features:

- 7 GHz to 11 GHz
- WR-102 Waveguide Band
- 20 dBi Nominal Gain
- N Female Connector

Applications:

- Antenna Measurements
- Wireless Communication
- · Laboratory Use
- Microwave Radio Systems
- Radome Testing
- Automotive Antenna Test Solutions
- Radar Cross Section
- Satellite Antenna Testing

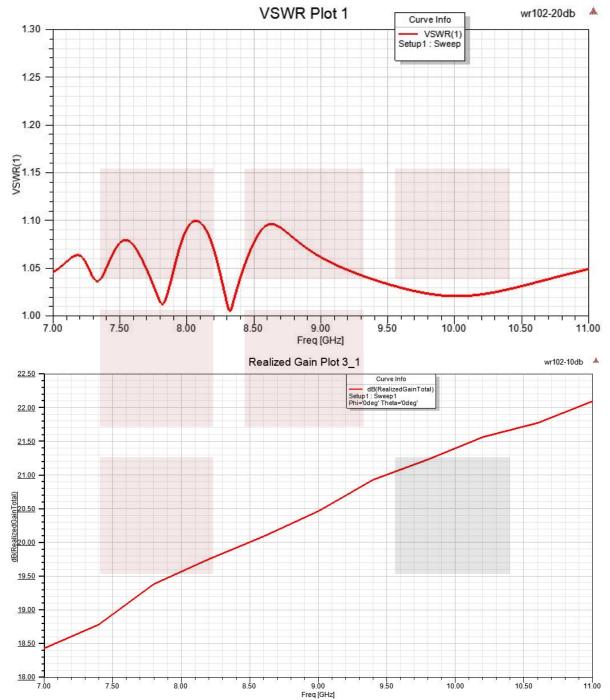
Fairview Microwave 301 Leora Ln., Suite 100 Lewisville, TX 75056 Tel: 1-800-715-4396 / (972) 649-6678

Fax: (972) 649-6689 www.fairviewmicrowave.com sales@fairviewmicrowave.com



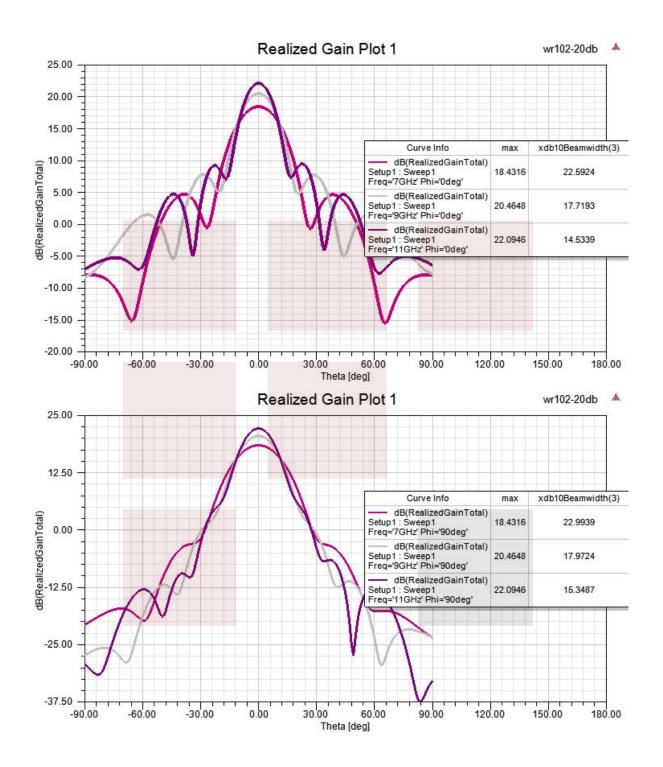


Typical Performance Data













WR-102 Standard Gain Horn with 20 dBi gain, N Female connector 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-102 Standard Gain Horn with 20 dBi gain, N Female connector FMWAN102-20NF

The information contained in this document is accurate to the best of our knowledge and representative of the part

URL:

		and/or the documentation of the part, in order
		ke such changes as required. Unless otherwise
		any representation or warranty regarding the
suitability of the part described herein	n for any particular purpose, and Fai	rview Microwave does not assume any liability
arising out of the use of any part or d	ocumentation.	





