

FMWAN102-20ELSF DATA SHEET

WR-102 Standard Gain Horn with 20 dBi gain, End Launch SMA Female connector

The FMWAN102-20ELSF 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 SMA Female End Launch waveguide to coaxial adapter and operates from 7 GHz to 11 GHz.

Our FMWAN102-20ELSF 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 SMA Female End Launch 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 FMWAN102-20ELSF 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 SMA Female End Launch interface is part of over 40,000 RF, microwave and millimeter wave components from Fairview Microwave available worldwide and Ship same day.

Configuration

Design Coaxial Interface WR-102 Standard Gain Horn

SMA Female

Electrical Specifications

Description	Min	Тур	Max	Units					
Frequency Range	7		11	GHz					
Waveguide Standard Gain Horn									
		0.0		ID:					

Gain		20	dBi
Horizontal 3dB Beam V	/idth	17.5	Degrees
Vertical 3dB Beam Wid	th	17.3	Degrees

Waveguide to Coaxial Adapter

Input VSWR 1.4:1

Mechanical Specifications

Size

 Length
 11.933 in 303.1 mm

 Width/Diameter
 4.988 in 126.7 mm

 Height
 3.701 in 94.01 mm

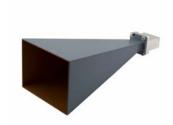
 Weight
 1.165 lbs 528.44 g

RF Connector

Type SMA Female Specification End Launch

Waveguide Interface

Waveguide Size WR-102



Features:

- 7 GHz to 11 GHz
- WR-102 Waveguide Band
- 20 dBi Nominal Gain
- SMA Female End Launch 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





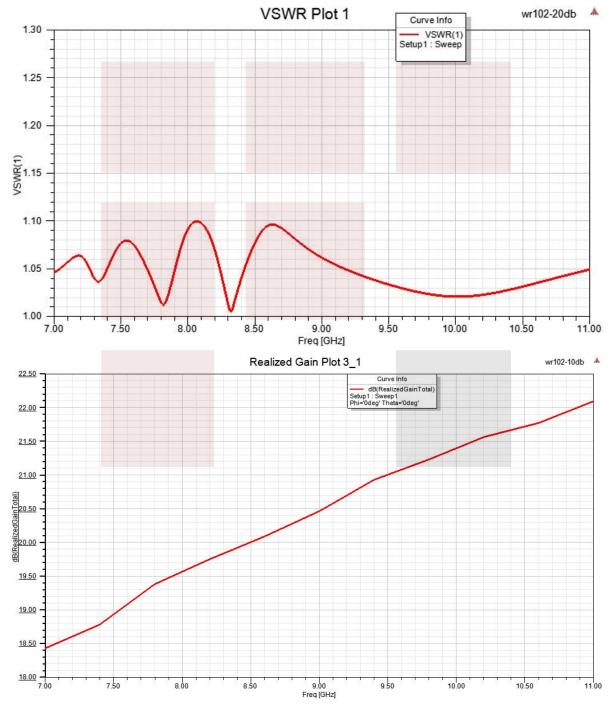
Environmental Specifications

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

Typical Performance Data

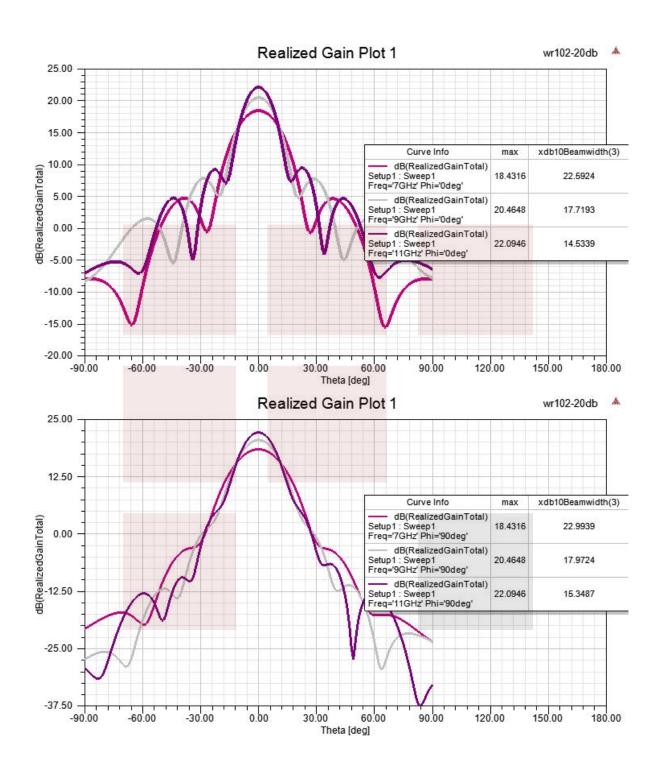


301 Leora Ln., Suite 100, Lewisville, TX 75056 | Tel: 1-800-715-4396 / (972) 649-6678 / Fax: (972) 649-6689

Copyright © 2020 REV 1 Page 2 of 5











WR-102 Standard Gain Horn with 20 dBi gain, End Launch SMA 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, End Launch SMA Female connector FMWAN102-20ELSF

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

URL:

described herein. It may be necessar	y to make modifications to the part	and/or the documentation of the part, in order
		ke such changes as required. Unless otherwise
		any representation or warranty regarding the
		rview Microwave does not assume any liability
arising out of the use of any part or d	ocumentation.	



FMWAN102-20ELSF DATA SHEET

