

FMWAN229-20SF **DATA SHEET**

WR-229 Standard Gain Horn with 20 dBi gain, SMA Female connector

The FMWAN229-20SF 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-229 to SMA Female waveguide to coaxial adapter and operates from 3.3 GHz to 4.9 GHz.

Our FMWAN229-20SF 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 to WR-229 standard gain horns are available in 10, 15 and 20 dBi models with pyramidal shape and connectorized input.

Waveguide antennas, such as the FMWAN229-20SF 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-229 waveguide antennas with SMA 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		\//P_220	Standard Gain H	orp
Coaxial Interface		SMA Fem		
lectrical Specification	ons			
Description	Min	Ту	p Max	Units
Frequency Range	3.3		4.9	GHz
Waveguide Standard	Gain Horn			
Gain		20)	dBi
Horizontal 3dB Beam	Width	17.	5	Degrees
Vertical 3dB Beam Wi	dth	17.	3	Degrees
Waveguide to Coaxia	Adapter			
Waveguide to Coaxia	l Adapter		1.3:1	
Input VSWR			1.3:1	-
Input VSWR			1.3:1	-
Input VSWR		25.189 ir	1.3:1	
Input VSWR Iechanical Specificat Size Length Width/Diameter		11.199 ir	n 639.8 mm n 284.45 mm	
Input VSWR Iechanical Specificat Size Length		11.199 ir	n 639.8 mm	
Input VSWR Iechanical Specificat Size Length Width/Diameter		11.199 ir 8.309 in	n 639.8 mm n 284.45 mm	
Input VSWR Iechanical Specificat Size Length Width/Diameter Height		11.199 ir 8.309 in	n 639.8 mm n 284.45 mm 211.05 mm	

Features:

- 3.3 GHz to 4.9 GHz
- WR-229 Waveguide Band
- 20 dBi Nominal Gain
- SMA Female Connector

Applications:

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

Size	
Length	25.189 in 639.8 mm
Width/Diameter	11.199 in 284.45 mm
Height	8.309 in 211.05 mm
Weight	4.6975 lbs 2.13 kg
RF Connector	
RF Connector Type	SMA Female
Туре	

Environmental Specifications

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

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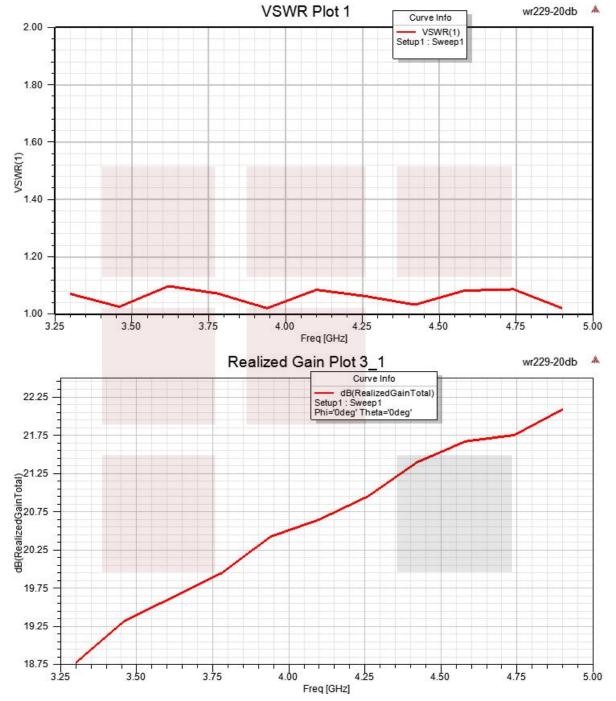
Fax: (972) 649-6689

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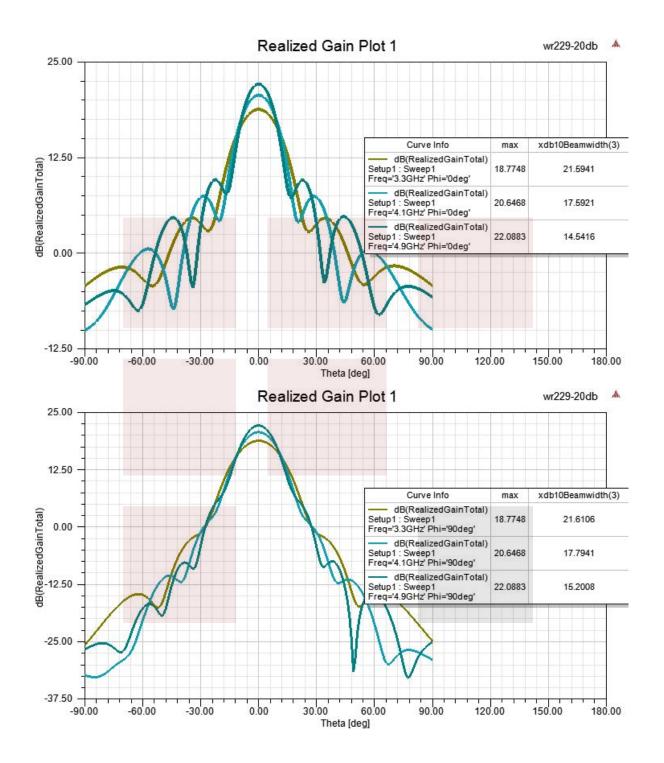


Typical Performance Data









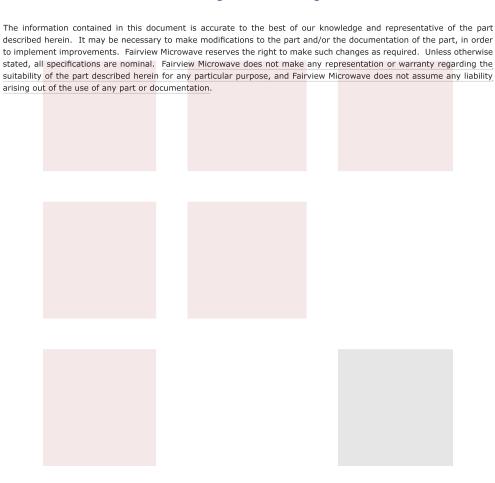




WR-229 Standard Gain Horn with 20 dBi gain, SMA Female connector from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: WR-229 Standard Gain Horn with 20 dBi gain, SMA Female connector FMWAN229-20SF

URL: https://www.fairviewmicrowave.com/wr-229-waveguide-standard-gain-horn-20-db-none-fmwan229-20-p.aspx



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