

FMWAN090-20NF **DATA SHEET**

WR-90 Standard Gain Horn with 20 dBi gain, Type N Female connector

The FMWAN090-20NF 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-90 to N Female waveguide to coaxial adapter and operates from 8.2 GHz to 12.4 GHz.

Our FMWAN090-20NF 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-90 standard gain horns are available in 10, 15 and 20 dBi models with pyramidal shape and connectorized input.

Wavequide antennas, such as the FMWAN090-20NF 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-90 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.

onfiguration Design						 Laboratory U
Design		WR-90) Standa	ard Gain Horn		Microwave Ra
Coaxial Interface		N Fem	nale			Radome Testi Automotive A
ectrical Specificatio	ns					Test Solutions
Description	Min		Тур	Мах	Units	Satellite Ante
Frequency Range	8.2			12.4	GHz	
Waveguide Standard	Gain Horn					
Gain			20		dBi	
Horizontal 3dB Beam Width			17.5		Degrees	
Vertical 3dB Beam Width			17.3		Degrees	
Waveguide to Coaxial	Adapter					
Input VSWR				1.25:1		
echanical Specificat Size Length Width/Diameter Height Weight	ions	4.401 3.265	in 263. in 111. in 82.9 Ibs 285	79 mm 3 mm		
Size Length Width/Diameter Height	ions	4.401 3.265	in 111. in 82.9 Ibs 285	79 mm 3 mm		
Size Length Width/Diameter Height Weight RF Connector		4.401 3.265 0.629	in 111. in 82.9 Ibs 285 nale	79 mm 3 mm		

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:



Features:

- 8.2 GHz to 12.4 GHz
- WR-90 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

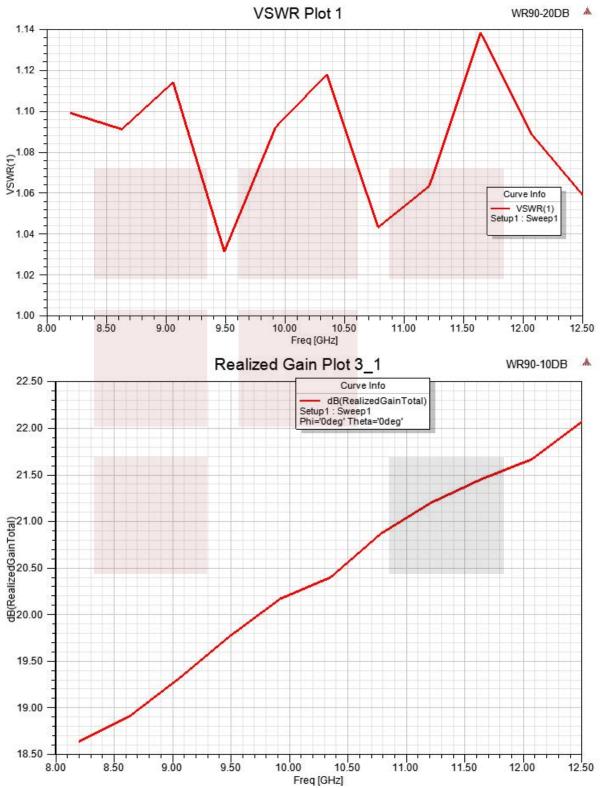
Lewisville, TX 75056 Tel: 1-800-715-4396 / (972) 649-6678 Fax: (972) 649-6689 www.fairviewmicrowave.com sales@fairviewmicrowave.com

301 Leora Ln., Suite 100





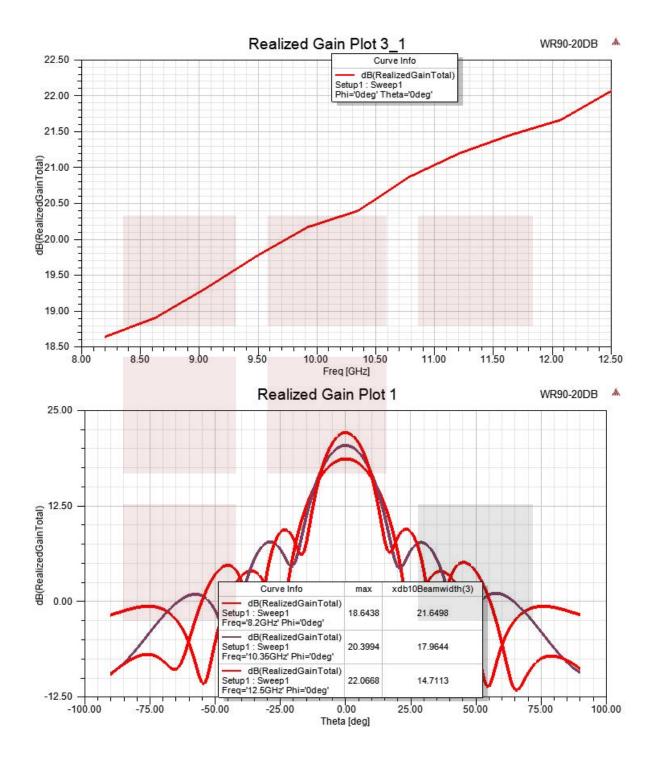
Typical Performance Data



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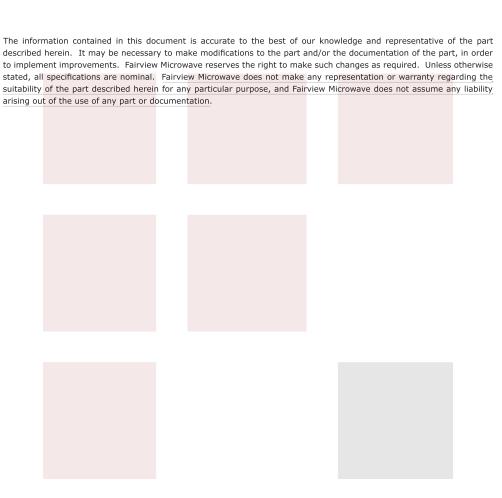


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WR-90 Standard Gain Horn with 20 dBi gain, Type N Female connector from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: WR-90 Standard Gain Horn with 20 dBi gain, Type N Female connector FMWAN090-20NF

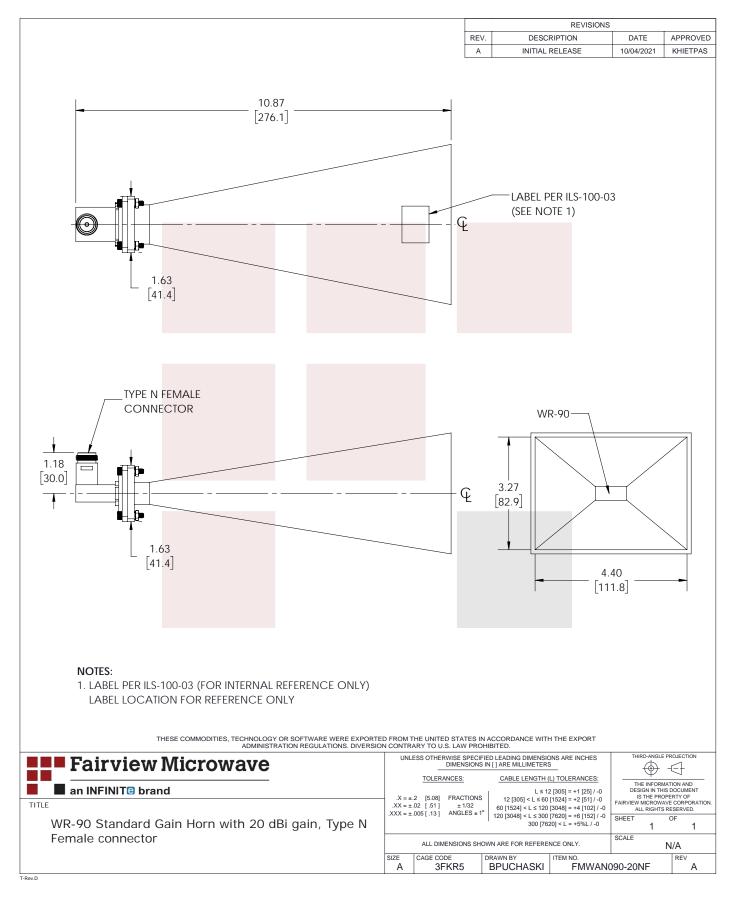
URL:



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