

FM9852B-20 **DATA SHEET**

WR-42 Waveguide Standard Gain Horn Antenna With UG-597/U Flange, 20 dBi Gain and 18 GHz to 26.5 GHz

The Pro-series WR-42 FM9852B-20 standard gain horn antenna (also known as waveguide horn) from Fairview Microwave has a nominal gain of 20 dBi. The Fairview Microwave 20 dBi WR-42 horn antenna operates from 18 GHz to 26.5 GHz. This WR-42 standard gain horn has a UG-597/U type flange. The WR-42 FM9852B-20 waveguide horn is part of over 40,000 RF, microwave and millimeter wave components available from Fairview Microwave.

Waveguide standard gain horn antennas are used in a wide variety of applications due to their high power handling capability, low loss, high directivity, and near constant electrical performance. The Pro-series gain horns are US made and TAA compliant. Fairview Microwave's WR-42 standard gain horns are available in 10, 15 and 20 dBi models with pyramidal shape and rectangular input. Pro-series WR-42 standard gain horn antenna can ship the same day to anywhere in the world.

Configuration

WR-42 Standard Gain Horn Design

Pattern Directional Linear Polarization

Electrical Specifications

Description	Min	Тур	Max	Units
Frequency Range	18		26.5	GHz
Impedance		50		Ohms
Nominal Gain		20		dB
VSWR		1.5:1		

Mechanical Specifications Size

Length

4 in [101.6 mm] Width/Diameter 1.98 in [50.29 mm] Height 1.48 in [37.59 mm]

Waveguide Interface

Waveguide Size WR-42 Flange Type Square Cover Flange Designation UG-597/U Body Material and Plating Aluminum

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:



Features:

- WR-42 Rectangular Waveguide Interface
- 18 GHz to 26.5 GHz
- 20 dBi Nominal Gain
- UG-597/U Cover Flange

Applications:

- Antenna Measurements
- Wireless Communication
- Laboratory Use
- Microwave Radio Systems

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WR-42 Waveguide Standard Gain Horn Antenna With UG-597/U Flange, 20 dBi Gain and 18 GHz to 26.5 GHz 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-42 Waveguide Standard Gain Horn Antenna With UG-597/U Flange, 20 dBi Gain and 18 GHz to 26.5 GHz FM9852B-20

URL: https://www.fairviewmicrowave.com/wr-42-waveguide-standard-gain-horn-20-db-ug-597-fm9852b-20-p.aspx







