

FM9853B-20 DATA SHEET

WR-51 Waveguide Standard Gain Horn Antenna With Flange, 20 dBi Gain and 15 GHz to 22 GHz

The Pro-series WR-51 FM9853B-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-51 horn antenna operates from 15 GHz to 22 GHz. This WR-51 standard gain horn has a square type flange. The WR-51 FM9853B-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-51 standard gain horns are available in 10, 15 and 20 dBi models with pyramidal shape and rectangular input. Pro-series WR-51 standard gain horn antenna can ship the same day to anywhere in the world.



Design WR-51 Standard Gain Horn

Pattern Directional Polarization Linear

Electrical Specifications

| Description | Min | Тур | Max | Units |
|-----------------|-----|-------|-----|-------|
| Frequency Range | 15 | | 22 | GHz |
| Nominal Gain | | 20 | | dB |
| VSWR | | 1.5:1 | | |
| | | | | |

Mechanical Specifications

Size

 Length
 4.83 in [122.68 mm]

 Width/Diameter
 2.37 in [60.2 mm]

 Height
 1.73 in [43.94 mm]

Waveguide Interface

Waveguide Size WR-51
Flange Type Square Cover
Body Material and Plating Aluminum

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:



Features:

- WR-51 Rectangular Waveguide Interface
- 15 GHz to 22 GHz
- 20 dBi Nominal Gain
- square Cover Flange

Applications:

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

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WR-51 Waveguide Standard Gain Horn Antenna With Flange, 20 dBi Gain and 15 GHz to 22 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-51 Waveguide Standard Gain Horn Antenna With Flange, 20 dBi Gain and 15 GHz to 22 GHz FM9853B-20

URL: https://www.fairviewmicrowave.com/wr-51-waveguide-standard-gain-horn-20-db-fm9853b-20-p.aspx







