

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

The Pro-series WR-51 FM9853B-15 standard gain horn antenna (also known as waveguide horn) from Fairview Microwave has a nominal gain of 15 dBi. The Fairview Microwave 15 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-15 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.

Configuration

Design	WR-51 Standard Gain Horn
Pattern	Directional
Polarization	Linear

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	15		22	GHz
Impedance		50		Ohms
Nominal Gain		15		dB
VSWR		1.5:1		

Mechanical Specifications

Size	
Length	2.81 in [71.37 mm]
Width/Diameter	1.41 in [35.81 mm]
Height	1.31 in [33.27 mm]

Waveguide Interface

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

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Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:



Features:

- WR-51 Rectangular Waveguide Interface
- 15 GHz to 22 GHz
- 15 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, 15 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, 15 dBi Gain and 15 GHz to 22 GHz FM9853B-15](#)

URL: <https://www.fairviewmicrowave.com/wr-51-waveguide-standard-gain-horn-15-db-fm9853b-15-p.aspx>

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