

FM9856B/SF-10 DATA SHEET

WR-90 Standard Gain Horn Antenna Operating From 8.2 GHz to 12.4 GHz, 10 dBi Nominal Gain, SMA Female Input Connector, ProLine

The Fairview Microwave FM9856B/SF-10 Proline series standard gain horn antenna (also known as waveguide horn) is part of our huge selection of waveguide antennas. This Fairview Microwave standard gain horn antenna is manufactured with a WR-90 input and a SMA waveguide to coaxial transition adapter. Our standard gain horn antenna, WR-90, has a 10 dBi nominal gain. This WR-90 standard gain horn from Fairview Microwave has a female SMA waveguide to coax transition adapter.

The 10dBiFairviewMicrowaveWR-90hornantennaoperatesfrom 8.2 GHz to 12.4 GHz. Fairview Microwave's SMA female WR-90 standard gain horns are available in 10, 15 and 20dBi models with pyramidal shape and rectangular input. It is part of over 40,000 RF, microwave and millimeter wave components available at Fairview Microwave.

Waveguide standard gain horn antennas, such as the FM9856B/SF-10, 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 WR-90 FM9856B/SF-10 waveguide horn is US made and TAA compliant. Our WR-90 standard gain horn Proline antennas with Type N female interface can ship same day to anywhere in the world.

Configuration

Pattern Polarization Coaxial Interface Directional Linear SMA Female

Electrical Specifications

Description	Min	Тур	Max	Units
Frequency Range	8.2		12.4	GHz
Waveguide Standard	Gain Horn			
Gain		10		dB
Waveguide to Coaxial	Adapter			
Input VSWR		1.3:1		

Mechanical Specifications

Size

 Length
 3.01 in 76.45 mm

 Width/Diameter
 1.58 in 40.13 mm

 Height
 1.22 in 30.99 mm

 Weight
 0.28 lbs 127.01 g

RF Connector

Type SMA Female

Environmental Specifications

Compliance Certifications (see product page for current document)

Plotted and Other Data

2 Dimensional OML Drawing Notes:

FM9856B/SF-10



Features:

- WR-90 Rectangular
 Waveguide Interface
- 8.2 GHz to 12.4 GHz
- 10 dBi Nominal Gain
- SMA Female Connector

Applications:

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

Fairview Microwave 301 Leora Ln., Suite 100 Lewisville, TX 75056 Tel: 1-800-715-4396 / (972) 649-6678 Fax: (972) 649-6689 www.fairviewmicrowave.com

sales@fairviewmicrowave.com





WR-90 Standard Gain Horn Antenna Operating From 8.2 GHz to 12.4 GHz, 10 dBi Nominal Gain, SMA Female Input Connector, ProLine 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 ondemand.

For additional information on this product, please click the following link: WR-90 Standard Gain Horn Antenna Operating From 8.2 GHz to 12.4 GHz, 10 dBi Nominal Gain, SMA Female Input Connector, ProLine FM9856B/SF-10

URL: https://www.fairviewmicrowave.com/standard-gain-horn-10-db-sma-fm9856b-sf-10-p.aspx







