

# WR-187 Standard Gain Horn Antenna Operating From 3.95 GHz to 5.85 GHz, 20 dBi Nominal Gain, SMA Female Input Connector, ProLine

The Fairview Microwave FM9861B/SF-20 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-187 input and a SMA waveguide to coaxial transition adapter. Our standard gain horn antenna, WR-187, has a 20 dBi nominal gain. This WR-187 standard gain horn from Fairview Microwave has a female SMA waveguide to coax transition adapter. The 20 dBi Fairview Microwave WR-187 horn antenna operates from 3.95 GHz to 5.85 GHz. Fairview Microwave's SMA female WR-187 standard gain horns are available in 10, 15 and 20 dBi 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 FM9861B/SF-20, 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-187 FM9861B/ SF-20 waveguide horn is US made and TAA compliant. Our WR-187 standard gain horn Proline antennas with SMA female interface can ship same day to anywhere in the world.

## Configuration

MD 107 Chandenal Cain Hann
WR-187 Standard Gain Horn
Directional
Linear
SMA Female

### **Electrical Specifications**

Description	Min	Тур	Мах	Units
Frequency Range	3.95		5.85	GHz
Waveguide Standard	Gain Horn			
Gain		20		dB
Waveguide to Coaxia	l Adapter			
Input VSWR		1.3:1		

### **Mechanical Specifications**

Size	
Length	17.56 in 446.02 mm
Width/Diameter	8.92 in 226.57 mm
Height	6.53 in 165.86 mm
Weight	0.05 lbs 22.68 g
RF Connector	
Туре	SMA Female
Waveguide Interface	
Waveguide Size	WR-187
Flange Type	CMR-187
Body Material and Plating	Aluminum
-	





## **Features:**

- WR-187 Rectangular Waveguide Interface
- 3.95 GHz to 5.85 GHz
- 20 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





### **Environmental Specifications**

#### **Compliance Certifications** (see product page for current document)

### **Plotted and Other Data**

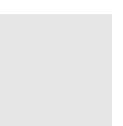
2 Dimensional OML Drawing FM9861B/SF-20 Notes:

WR-187 Standard Gain Horn Antenna Operating From 3.95 GHz to 5.85 GHz, 20 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 on-demand.

For additional information on this product, please click the following link: WR-187 Standard Gain Horn Antenna Operating From 3.95 GHz to 5.85 GHz, 20 dBi Nominal Gain, SMA Female Input Connector, ProLine FM9861B/SF-20

URL: https://www.fairviewmicrowave.com/standard-gain-horn-0-fm9861b-sf-20-p.aspx

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Fairview Microwave reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Fairview Microwave does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Fairview Microwave does not assume any liability arising out of the use of any part or documentation.

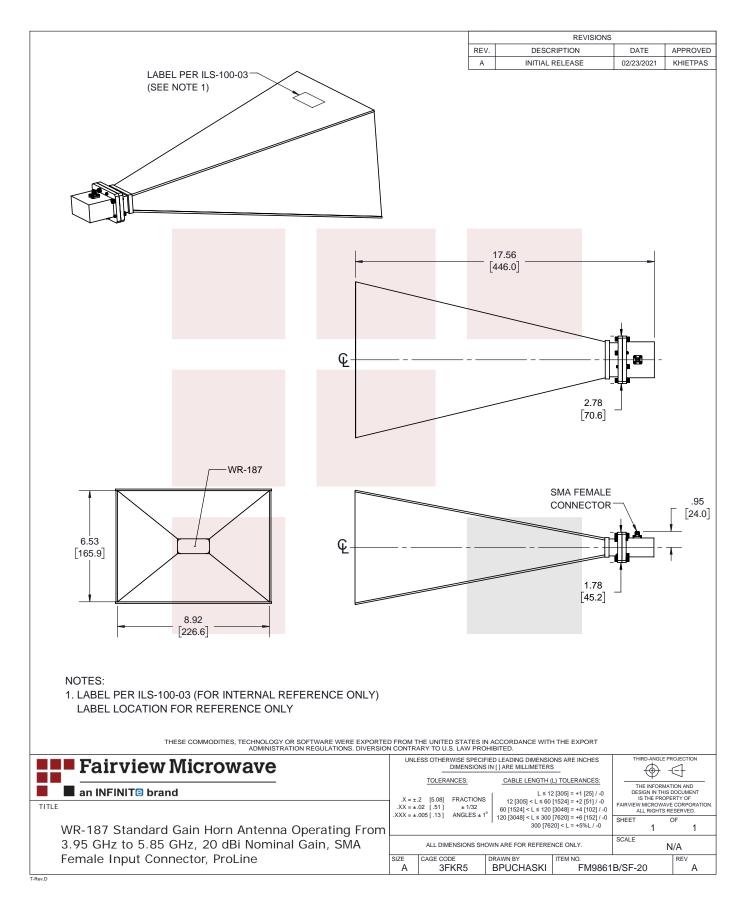


301 Leora Ln., Suite 100, Lewisville, TX 75056 | Tel: 1-800-715-4396 / (972) 649-6678 / Fax: (972) 649-6689

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