

## WR-159 Standard Gain Horn Antenna Operating From 4.9 GHz to 7.05 GHz, 20 dBi Nominal Gain, CMR-159 Flange, ProLine

The Pro-series WR-159 FM9860B-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-159 horn antenna operates from 4.9 GHz to 7.05 GHz. This WR-159 standard gain horn has a CMR-159 type flange. The WR-159 FM9860B-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-159 standard gain horns are available in 10, 15 and 20 dBi models with pyramidal shape and rectangular input. Pro-series WR-159 standard gain horn antenna can ship the same day to anywhere in the world.

### Configuration

Design	WR-159 Standard Gain Horn
Pattern	Directional
Polarization	Linear

### Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	4.9		7.05	GHz
Nominal Gain		20		dB
VSWR		1.5:1		

### Mechanical Specifications

<b>Size</b>	
Length	15.8 in [401.32 mm]
Width/Diameter	8.65 in [219.71 mm]
Height	6.3 in [160.02 mm]

#### Waveguide Interface

Waveguide Size	WR-159
Flange Type	CMR-159
Body Material and Plating	Aluminum

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

### Plotted and Other Data

Notes:



### Features:

- WR-159 Rectangular Waveguide Interface
- 4.9 GHz to 7.05 GHz
- 20 dBi Nominal Gain
- CMR-159 Cover Flange

### Applications:

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

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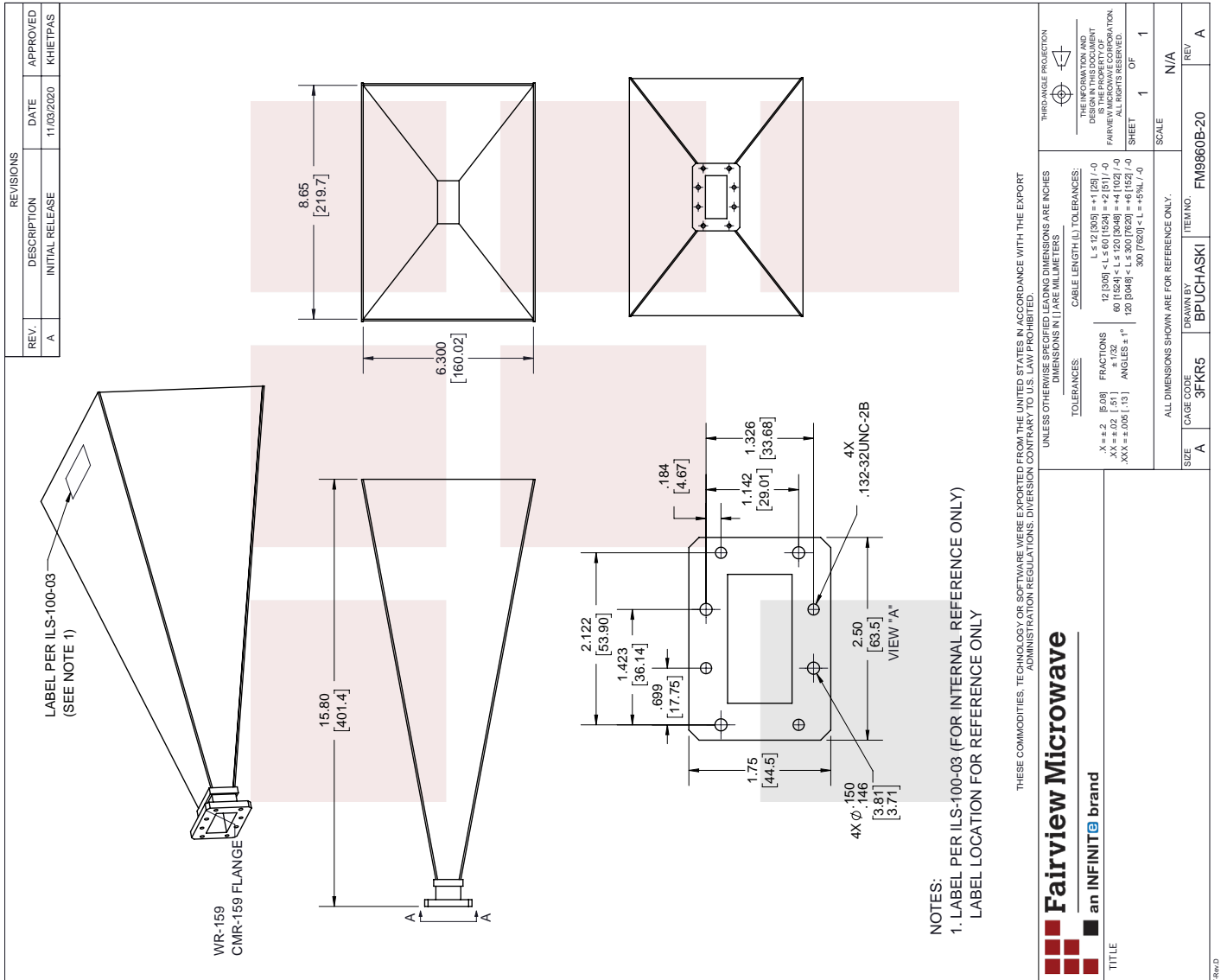
WR-159 Standard Gain Horn Antenna Operating From 4.9 GHz to 7.05 GHz, 20 dBi Nominal Gain, CMR-159 Flange, ProLine from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [WR-159 Standard Gain Horn Antenna Operating From 4.9 GHz to 7.05 GHz, 20 dBi Nominal Gain, CMR-159 Flange, ProLine FM9860B-20](#)

URL: <https://www.fairviewmicrowave.com/wr-159-waveguide-standard-gain-horn-20-db-fm9860b-20-p.aspx>

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