

WR-28 Waveguide Standard Gain Horn Antenna With UG-599/U Flange, 20 dBi Gain and 26.5 GHz to 40 GHz

The Pro-series WR-28 FM9850B-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-28 horn antenna operates from 26.5 GHz to 40 GHz. This WR-28 standard gain horn has a UG-599/U type flange. The WR-28 FM9850B-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-28 standard gain horns are available in 10, 15 and 20 dBi models with pyramidal shape and rectangular input. Pro-series WR-28 standard gain horn antenna can ship the same day to anywhere in the world.

Configuration

| | |
|--------------|--------------------------|
| Design | WR-28 Standard Gain Horn |
| Pattern | Directional |
| Polarization | Linear |

Electrical Specifications

| Description | Min | Typ | Max | Units |
|-----------------|------|-------|-----|-------|
| Frequency Range | 26.5 | | 40 | GHz |
| Impedance | | 50 | | Ohms |
| Nominal Gain | | 20 | | dB |
| VSWR | | 1.5:1 | | |

Mechanical Specifications

| | |
|----------------|--------------------|
| Size | |
| Length | 3.12 in [79.25 mm] |
| Width/Diameter | 1.5 in [38.1 mm] |
| Height | 1.13 in [28.7 mm] |

Waveguide Interface

| | |
|---------------------------|--------------|
| Waveguide Size | WR-28 |
| Flange Type | Square Cover |
| Flange Designation | UG-599/U |
| Body Material and Plating | Aluminum |

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

Plotted and Other Data

Notes:



Features:

- WR-28 Rectangular Waveguide Interface
- 26.5 GHz to 40 GHz
- 20 dBi Nominal Gain
- UG-599/U Cover Flange

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-28 Waveguide Standard Gain Horn Antenna With UG-599/U Flange, 20 dBi Gain and 26.5 GHz to 40 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-28 Waveguide Standard Gain Horn Antenna With UG-599/U Flange, 20 dBi Gain and 26.5 GHz to 40 GHz FM9850B-20](#)

URL: <https://www.fairviewmicrowave.com/wr-28-waveguide-standard-gain-horn-20-db-ug-599-fm9850b-20-p.aspx>

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