

## WR-75 Standard Gain Horn with N Female Input and 15 dB Typical Gain Operating Within 10 GHz to 15 GHz Frequency Range

The Fairview Microwave FM9855B/NF-15 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-75 input and a Type N waveguide to coaxial transition adapter. Our standard gain horn antenna, WR-75, has a 15 dBi nominal gain. This WR-75 standard gain horn from Fairview Microwave has a female Type N waveguide to coax transition adapter. The 15 dBi Fairview Microwave WR-75 horn antenna operates from 10 GHz to 15 GHz. Fairview Microwave's Type N female WR-75 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 FM9855B/NF-15, 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-75 FM9855B/NF-15 waveguide horn is US made and TAA compliant. Our WR-75 standard gain horn Proline antennas with Type N female interface can ship same day to anywhere in the world.

### Configuration

|                   |                          |
|-------------------|--------------------------|
| Design            | WR-75 Standard Gain Horn |
| Pattern           | Directional              |
| Polarization      | Linear                   |
| Coaxial Interface | N Female                 |

### Electrical Specifications

| Description                         | Min | Typ   | Max | Units |
|-------------------------------------|-----|-------|-----|-------|
| Frequency Range                     | 10  |       | 15  | GHz   |
| Impedance                           |     | 50    |     | Ohms  |
| <b>Waveguide Standard Gain Horn</b> |     |       |     |       |
| Gain                                |     | 15    |     | dB    |
| <b>Waveguide to Coaxial Adapter</b> |     |       |     |       |
| Input VSWR                          |     | 1.3:1 |     |       |

### Mechanical Specifications

|                            |          |
|----------------------------|----------|
| <b>RF Connector</b>        |          |
| Type                       | N Female |
| <b>Waveguide Interface</b> |          |
| Waveguide Size             | WR-75    |
| Body Material and Plating  | Aluminum |

### Environmental Specifications

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

### Plotted and Other Data

|                           |               |
|---------------------------|---------------|
| 2 Dimensional OML Drawing | FM9855B/NF-15 |
| Notes:                    |               |



### Features:

- WR-75 Rectangular Waveguide Interface
- 10 GHz to 15 GHz
- 15 dBi Nominal Gain
- Type N 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](http://www.fairviewmicrowave.com)  
[sales@fairviewmicrowave.com](mailto:sales@fairviewmicrowave.com)

WR-75 Standard Gain Horn with N Female Input and 15 dB Typical Gain Operating Within 10 GHz to 15 GHz Frequency Range 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-75 Standard Gain Horn with N Female Input and 15 dB Typical Gain Operating Within 10 GHz to 15 GHz Frequency Range FM9855B/NF-15](#)

URL: <https://www.fairviewmicrowave.com/wr-75-standard-gain-horn-15-db-n-fm9855b-nf-15-p.aspx>

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