

## WR-430 Standard Gain Horn Antenna Operating From 1.7 GHz to 2.6 GHz, 15 dBi Nominal Gain, Type N Female Input Connector, ProLine

The Fairview Microwave FM9864B/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-430 input and a Type N waveguide to coaxial transition adapter. Our standard gain horn antenna, WR-430, has a 15 dBi nominal gain. This WR-430 standard gain horn from Fairview Microwave has a female Type N waveguide to coax transition adapter.

The 15 dBi Fairview Microwave WR-430 horn antenna operates from 1.7 GHz to 2.6 GHz. Fairview Microwave's Type N female WR-430 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 FM9864B/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-430 FM9864B/NF-15 waveguide horn is US made and TAA compliant. Our WR-430 standard gain horn Proline antennas with Type N female interface can ship same day to anywhere in the world.

### Configuration

Design	WR-430 Standard Gain Horn
Pattern	Directional
Polarization	Linear
Coaxial Interface	N Female

### Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	1.7		2.6	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

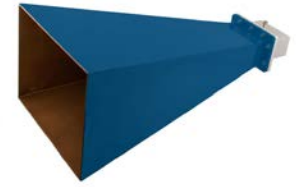
<b>Size</b>	
Length	26.98 in 685.29 mm
Width/Diameter	12.8 in 325.12 mm
Height	9.4 in 238.76 mm

#### RF Connector

Type	N Female
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#### Waveguide Interface

Waveguide Size	WR-430
Flange Type	Square Cover



### Features:

- WR-430 Rectangular Waveguide Interface
- 1.7 GHz to 2.6 GHz
- 15 dBi Nominal Gain
- Type N Female Connector

### Applications:

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

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## Environmental Specifications

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

## Plotted and Other Data

2 Dimensional OML Drawing      FM9864B/NF-15  
Notes:

WR-430 Standard Gain Horn Antenna Operating From 1.7 GHz to 2.6 GHz, 15 dBi Nominal Gain, Type N 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-430 Standard Gain Horn Antenna Operating From 1.7 GHz to 2.6 GHz, 15 dBi Nominal Gain, Type N Female Input Connector, ProLine FM9864B/NF-15](#)

URL: <https://www.fairviewmicrowave.com/wr-430-standard-gain-horn-15-db-n-fm9864b-nf-15-p.aspx>

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	11/16/2020	KHIETPAS

LABEL PER ILS-100-03  
(SEE NOTE 1)

26.98  
[685.3]

6.34  
[161.0]

9.40  
[238.8]

WR-430

12.80  
[325.1]

TYPE N FEMALE  
CONNECTOR

2.27  
[57.5]

4.19  
[106.4]

**NOTES:**

- LABEL PER ILS-100-03 (FOR INTERNAL REFERENCE ONLY)  
LABEL LOCATION FOR REFERENCE ONLY

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<p><b>Fairview Microwave</b> an INFINIT<sup>®</sup> brand</p> <p>TITLE</p> <p>WR-430 Standard Gain Horn Antenna Operating From 1.7 GHz to 2.6 GHz, 15 dBi Nominal Gain, Type N Female Input Connector, ProLine</p>	<p>UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [ ] ARE MILLIMETERS</p> <p>TOLERANCES:      CABLE LENGTH (L) TOLERANCES:</p> <table style="width: 100%; border: none;"> <tr> <td style="border: none;">.X = ±.2 [5.08]</td> <td style="border: none;">FRACTIONS</td> <td style="border: none;">L ≤ 12 [305] = +1 [25] / -0</td> </tr> <tr> <td style="border: none;">.XX = ±.02 [.51]</td> <td style="border: none;">± 1/32</td> <td style="border: none;">12 [305] &lt; L ≤ 60 [1524] = +2 [51] / -0</td> </tr> <tr> <td style="border: none;">.XXX = ±.005 [.13]</td> <td style="border: none;">ANGLES ± 1°</td> <td style="border: none;">60 [1524] &lt; L ≤ 120 [3048] = +4 [102] / -0</td> </tr> <tr> <td></td> <td></td> <td style="border: none;">120 [3048] &lt; L ≤ 300 [7620] = +6 [152] / -0</td> </tr> <tr> <td></td> <td></td> <td style="border: none;">300 [7620] &lt; L = +5%L / -0</td> </tr> </table>	.X = ±.2 [5.08]	FRACTIONS	L ≤ 12 [305] = +1 [25] / -0	.XX = ±.02 [.51]	± 1/32	12 [305] < L ≤ 60 [1524] = +2 [51] / -0	.XXX = ±.005 [.13]	ANGLES ± 1°	60 [1524] < L ≤ 120 [3048] = +4 [102] / -0			120 [3048] < L ≤ 300 [7620] = +6 [152] / -0			300 [7620] < L = +5%L / -0	<p>THIRD-ANGLE PROJECTION</p> <p>THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF FAIRVIEW MICROWAVE CORPORATION. ALL RIGHTS RESERVED.</p> <p>SHEET 1 OF 1</p> <p>SCALE N/A</p>
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SIZE A	CAGE CODE 3FKR5	DRAWN BY BPUCHASKI	ITEM NO. FM9864B/NF-15	REV A													

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