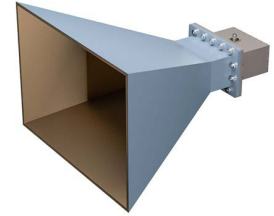


WR-770 Waveguide Standard Gain Horn Antenna Operating From 960 MHz to 1460 MHz, 15 dBi Gain with N Type Female



**FMWAN770-15NF**

**Features**

- 960 MHz to 1460 MHz
- Linearly Polarized
- 15 dBi Nominal Gain
- WR-770 with Type N Female connector
- Powder Coated Aluminum

**Applications**

- Antenna Measurements
- Wireless Communication
- Laboratory Use
- Microwave Testing
- Radome Testing
- EMC measurement
- Satellite Antenna Testing

**Description**

The FMWAN770-15NF standard horn antenna (also known as waveguide horn) from Fairview Microwave is part of our comprehensive selection of waveguide antennas. This WR-770 waveguide horn features an N Female Coax Connector and operates from 960 to 1460 MHz.

Our FMWAN770-15NF standard gain horn antenna has a nominal gain of 15 dBi with a typical input VSWR of 1.5:1. Fairview Microwave's waveguide horns are available in 10, 15, and 20 dBi models with varying frequency ranges to suit the application needs.

Waveguide antennas, such as the FMWAN770-15NF are used in a wide variety of applications due to the high-power handling capability, low loss, high directivity, and near constant electrical performance. Our WR-770 waveguide antennas with are part of over 40,000 RF, microwave, and millimeter wave components from Fairview Microwave available worldwide and ship same day.

**Configuration**

Design	WR-770
Pattern	Directional
Polarization	Linear
Coaxial Interface	N Female

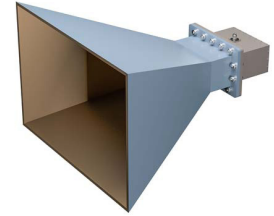
**Electrical Specifications**

Description	Minimum	Typical	Maximum	Units
Frequency Range	0.96		1.46	GHz
Gain		15		
Horizontal Half Power Beam Width		30		Degrees
Vertical Half Power Beam Width		30		Degrees
<b>Waveguide to Coaxial Adapter</b>				
VSWR			1.25:1	

**Mechanical Specifications**

<b>Size</b>	
Length	30.1 in [764.54 mm]
Width	27.6 in [701.04 mm]
Height	18.9 in [480.06 mm]
Weight	31.0575 lbs [14.09 kg]

## WR-770 Waveguide Standard Gain Horn Antenna Operating From 960 MHz to 1460 MHz, 15 dBi Gain with N Type Female



### FMWAN770-15NF

---

<b>RF Connector</b>	
Type	N Female
<b>Waveguide Interface</b>	
Waveguide Size	WR-770

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

#### Plotted and Other Data

Notes:

#### Typical Performance Data

WR-770 Waveguide Standard Gain Horn Antenna Operating From 960 MHz to 1460 MHz, 15 dBi Gain with N Type Female 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.

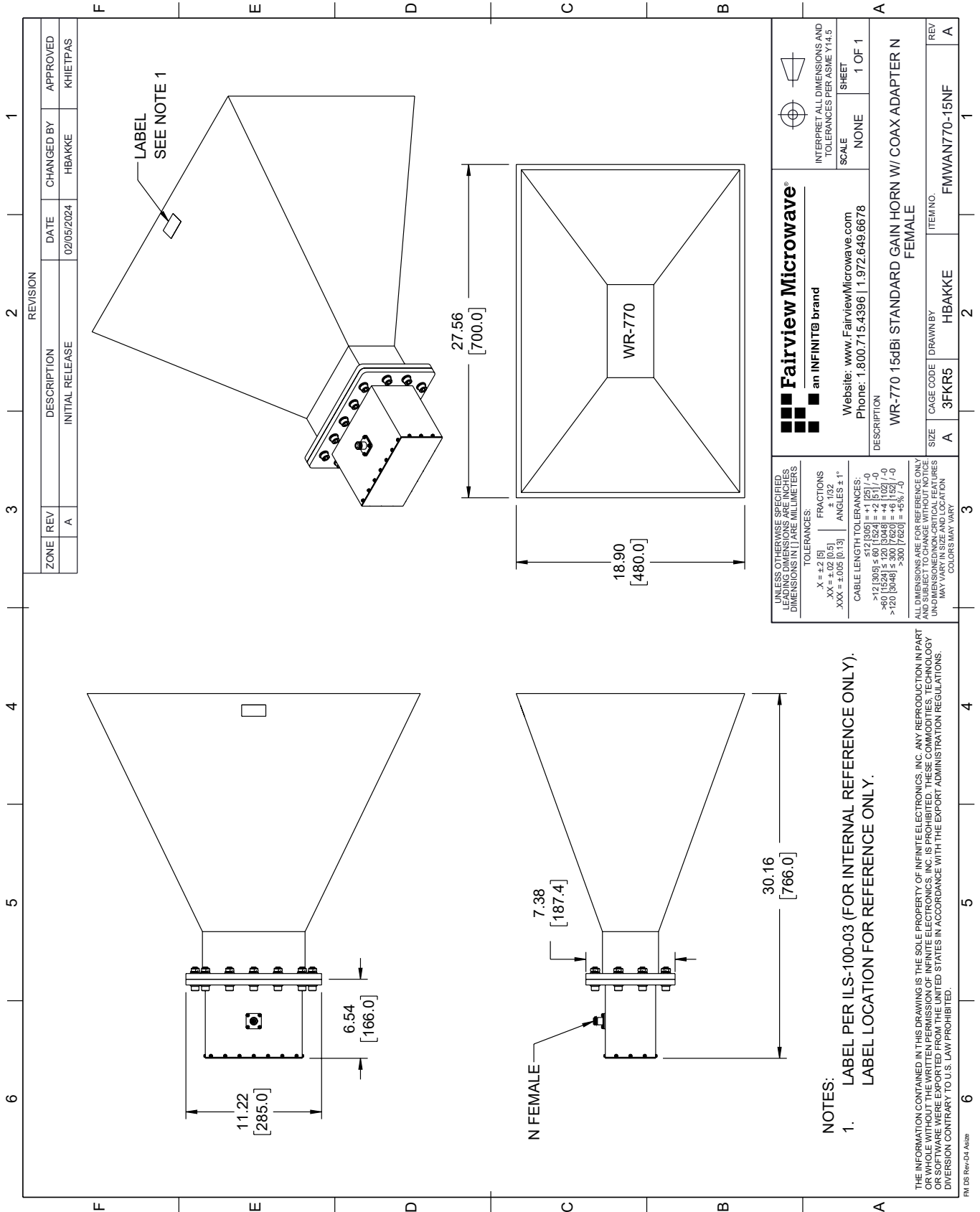
For additional information on this product, please click the following link: [WR-770 Waveguide Standard Gain Horn Antenna Operating From 960 MHz to 1460 MHz, 15 dBi Gain with N Type Female FMWAN770-15NF](#)

URL: <https://www.fairviewmicrowave.com/wr-770-waveguide-standard-gain-horn-antenna-operating-from-960-mhz-to-1460-mhz-15-dbi-gain-with-n-type-female-fmwan770-15nf-p.aspx>

The information contained within 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 liability arising out of the use of any part or document.

# FMWAN770-15NF CAD Drawing

WR-770 Waveguide Standard Gain Horn Antenna Operating From 960 MHz to 1460 MHz, 15 dBi Gain with N Type Female



ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
A	A	INITIAL RELEASE	02/05/2024	HBAKKE	KHIEPPAS

**Fairview Microwave**  
an INFINITI® brand

Website: [www.FairviewMicrowave.com](http://www.FairviewMicrowave.com)  
Phone: 1.800.715.4396 | 1.972.649.6678

UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE IN INCHES AND DIMENSIONS IN [ ] ARE MILLIMETERS.

TOLERANCES:  
 .X = ±.2 [5]  
 .XX = ±.02 [0.5]  
 .XXX = ±.005 [0.13]  
 FRACTIONS ± 1/32  
 ANGLES ± 1°

CABLE LENGTH TOLERANCES:  
 >12 [305] ≤ 60 [1524] = ±.1 [25] / -0  
 >60 [1524] ≤ 120 [3048] = ±.4 [102] / -0  
 >120 [3048] ≤ 300 [7620] = ±.6 [15] / -0

ALL DIMENSIONS ARE FOR REFERENCE ONLY. UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES. DIMENSIONS IN [ ] ARE MILLIMETERS. COLORS MAY VARY.

INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5

SCALE NONE SHEET 1 OF 1

DESCRIPTION: WR-770 15dBi STANDARD GAIN HORN W/ COAX ADAPTER N FEMALE

SIZE: A CAGE CODE: 3FKR5 DRAWN BY: HBAKKE ITEM NO.: FMWAN770-15NF

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

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF INFINITE ELECTRONICS, INC. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF INFINITE ELECTRONICS, INC. IS PROHIBITED. THESE COMMODITIES, TECHNOLOGY OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED.

FM DS Rev-D4 A426