

WR-770 Waveguide Standard Gain Horn Antenna Operating From 960 MHz to 1460 MHz, 10 dBi Gain with N Type Female



FMWAN770-10NF

Features

- 960 MHz to 1460 MHz
- Linearly Polarized
- 10 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 FMWAN770-10NF 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 FMWAN770-10NF standard gain horn antenna has a nominal gain of 10 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 FMWAN770-10NF 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		10		
Horizontal Half Power Beam Width		55		Degrees
Vertical Half Power Beam Width		55		Degrees
Waveguide to Coaxial Adapter				
VSWR			1.25:1	

Mechanical Specifications

Size	
Length	17.5 in [444.5 mm]
Width	12.4 in [314.96 mm]
Height	9.3 in [236.22 mm]
Weight	14.52 lbs [6.59 kg]

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FMWAN770-10NF

RF Connector

Type N Female

Waveguide Interface

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, 10 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.

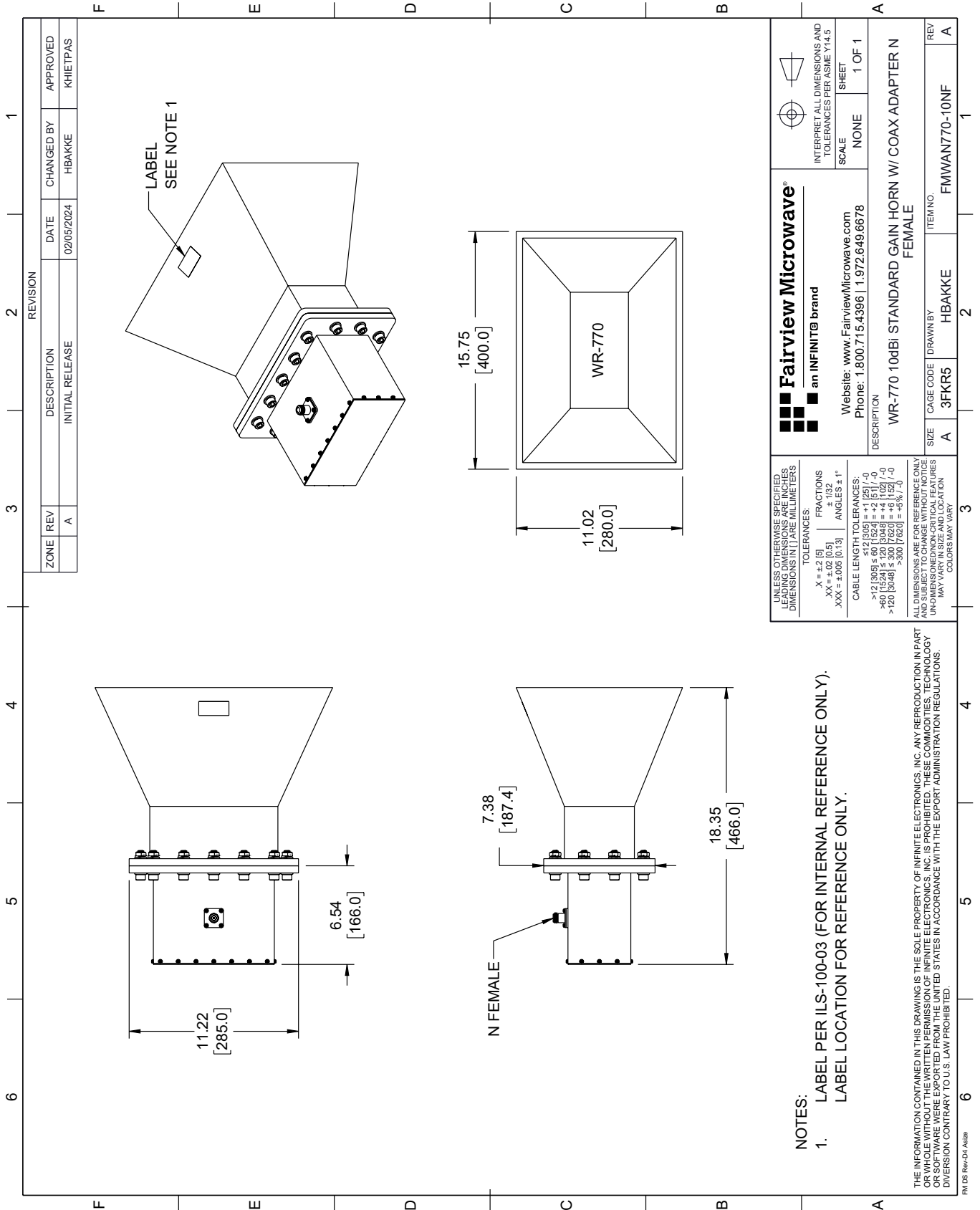
For additional information on this product, please click the following link: [WR-770 Waveguide Standard Gain Horn Antenna Operating From 960 MHz to 1460 MHz, 10 dBi Gain with N Type Female FMWAN770-10NF](#)

URL: <https://www.fairviewmicrowave.com/wr-770-waveguide-standard-gain-horn-antenna-operating-from-960-mhz-to-1460-mhz-10-dbi-gain-with-n-type-female-fmwan770-10nf-p.aspx>

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FMWAN770-10NF CAD Drawing

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Fairview Microwave
an INFINITE brand

Website: www.FairviewMicrowave.com
Phone: 1.800.715.4396 | 1.972.649.6678

UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE IN INCHES. 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 [2.5] / -0
 >60 [1524] ≤ 120 [3048] = ±.4 [102] / -0
 >120 [3048] ≤ 300 [7620] = ±.6 [15.2] / -0
 >300 [7620] = ±.6% / -0

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

SCALE: NONE
SHEET: 1 OF 1

DESCRIPTION: WR-770 10dBi STANDARD GAIN HORN W/ COAX ADAPTER N FEMALE

SIZE: A
CAGE CODE: 3FKR5
DRAWN BY: HBAKKE
ITEM NO.: FMWAN770-10NF

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

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