

400-470 MHz Rubber Duck Antenna, 2.5 dBi gain, SMA Female Connector, Vertical Polarization

Fairview Microwave's FMANRBD1030 is a vertical polarized antenna that ships same day from our ISO 9001:2015 certified facility. This directional antenna has SMA female connector. The FMANRBD1030 is a single band antenna operating from 400 to 470 MHz with 2.5 dBi gain.

Fairview Microwave's antenna with 400 to 470 MHz frequency range has a maximum input VSWR of 1.5:1. The FMANRBD1030 antenna has a black radome made of TPE, an overall length of 3.14 in, width of 0.500 in, and weighs 0.066 lbs.

Use our on-line ordering system to purchase your FMANRBD1030 antenna 24 hours a day with same-day shipping and no MOQs (minimum order quantities).

Configuration

Design	Rubber Duck
Gain	2.5
Polarization	Vertical
Connector Type	SMA Female

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	400		470	MHz
Input VSWR			1.5:1	
Impedance		50		Ohms
Gain		2.5		dBi
Input Power			50	Watts

Mechanical Specifications

Radome Material	TPE
Size	
Length	3.14 in [79.76 mm]
Width	0.5 in [12.7 mm]
Height	0.5 in [12.7 mm]
Weight	0.066 lbs [29.94 g]

Environmental Specifications

Temperature	
Operating Range	-40 to +80 deg C

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

Plotted and Other Data

Notes:



Features:

- 400 MHz to 470 MHz, 2.5 dBi Gain
- SMA-Female connector
- Heliflex whip antenna
- Plug and play
- 50W power handling
- VSWR < 1.5:1
- Vertical polarization
- Black

Applications:

- PtP or PtMP applications
- Trunking for two-way radio comms
- UHF applications
- Public Safety / Emergency services
- Tetra and P-25 applications exclusively supported
- Land and Private mobile radio (LMR) (PMR)
- Fixed and mobile services

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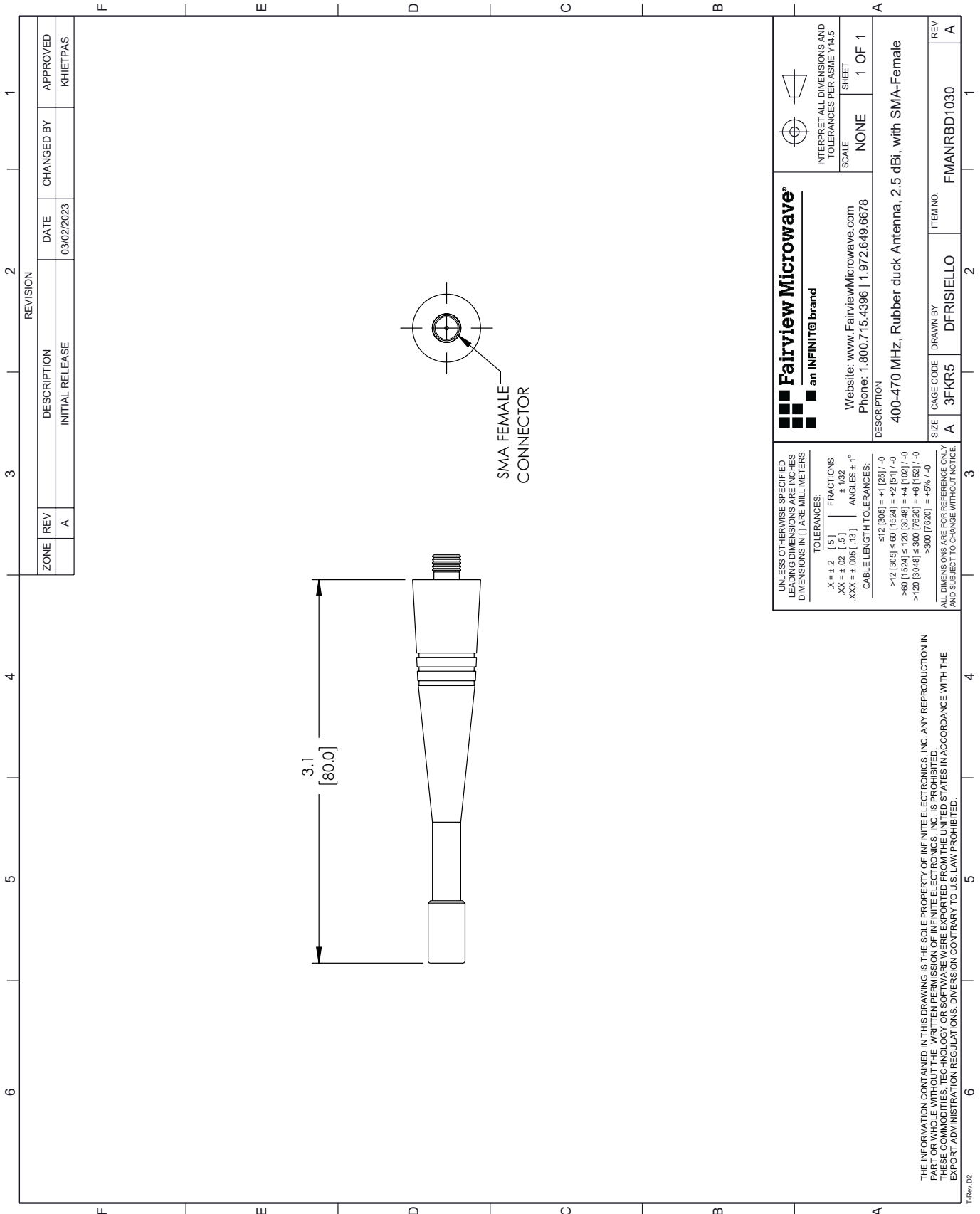
400-470 MHz Rubber Duck Antenna, 2.5 dBi gain, SMA Female Connector, Vertical Polarization from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [400-470 MHz Rubber Duck Antenna, 2.5 dBi gain, SMA Female Connector, Vertical Polarization FMANRBD1030](#)

URL: <https://www.fairviewmicrowave.com/2.5-dbi-rubber-duck-antenna-400-470-mhz-sma-connector-fmanrbd1030-p.aspx>

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SMA FEMALE
CONNECTOR

ZONE		REVISION		APPROVED	
A	1	INITIAL RELEASE	03/02/2023	CHANGED BY	KHIETPAS

<p>Fairview Microwave an INFINIT[®] brand</p> <p>Website: www.FairviewMicrowave.com Phone: 1.800.715.4396 1.972.649.6678</p>		<p>INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5</p> <p>SCALE: NONE</p> <p>SHEET: 1 OF 1</p>
<p>DESCRIPTION: 400-470 MHz, Rubber duck Antenna, 2.5 dBi, with SMA-Female</p>		
SIZE: A	CAGE CODE: 3FKR5	ITEM NO.: FMANRBD1030
REV: A	DRAWN BY: DFRISIELLO	REV: A

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

TOLERANCES:

.X = ±.2 [.5] FRACTIONS
 .XX = ±.02 [.5] ±.132
 .XXX = ±.005 [.13] ANGLES ± 1°

CABLE LENGTH TOLERANCES:

≤12 [305] = +1 [25] / -0
 >12 [305] ≤ 60 [1524] = +2 [51] / -0
 >60 [1524] ≤ 120 [3048] = +4 [102] / -0
 >120 [3048] ≤ 300 [7620] = +6 [152] / -0
 >300 [7620] = +5% / -0

ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE

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