

2.4 to 7.125 GHz Rubber Duck Antenna SMA Male Tilt Swivel



FMANRBD1072

Features

- 2400 MHz to 7125 MHz
- 3 dBi Gain
- SMA Male connector
- Tilt/Swivel
- VSWR 3.5:1
- Linear polarization

Applications

- WLAN
- WiFi 6E
- WiFi 6
- WiFi 5
- WiFi 4
- U-NII 1-4, 5-8
- 802.11b/g/n/ac
- Fixed and Mobile Devices

Description

The FMANRBD1072 is a high-quality multi-band rubber duck antenna with 3 dBi nominal gain and has a frequency range of 2400 MHz to 7125 MHz. Fairview Microwave's omnidirectional tilt/swivel rubber duck antenna is 2.81 inches tall and 0.4 inches wide.

The FMANRBD1072 rubber duck antenna from Fairview Microwave features a SMA Male connector with an input VSWR (voltage standing wave ratio) of 3.5:1.

Fairview Microwave's linearly polarized antenna can operate at temperatures ranging from -40 °C to 60 °C. This multi-band rubber duck antenna is offered with expert technical support, PDF datasheets, and CAD drawings with dimensions and specifications.

Configuration

Design	Rubber Duck
Band Type	Multi
Radiation Pattern	Omni Directional
Polarization	Linear
Connector Type	SMA Male
Number of Ports	1

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	2,400		7,125	MHz
Input VSWR			3.5:1	
Impedance		50		Ohms
Gain		3		dBi

Specifications by Band

Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Frequency	2.4 to 2.5	5.15 to 5.85	5.925 to 7.125			GHz

Mechanical Specifications

Radome Material	ABS
Size	
Length	6 in [152.4 mm]

2.4 to 7.125 GHz Rubber Duck Antenna SMA Male Tilt Swivel



FMANRBD1072

Width	0.5 in [12.7 mm]
Height	0.5 in [12.7 mm]
Weight	0.2 lbs [90.72 g]

Environmental Specifications

Temperature	
Operating Range	-20 to +70 deg C
Storage Range	-20 to +80 deg C

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

Plotted and Other Data

Notes:

Typical Radiation Pattern

Appendix

Electrical Downtilt: Angle in the antenna's elevation pattern in which the maximum gain occurs.

Gain: Antenna's average gain.

Front to Back Ratio @ 180°±30°: Average difference between the antenna's maximum gain and the maximum gain in the antenna's back lobe over ±30° angles.

Cross-polarization Ratio (dB): Typical difference between the co-polarization and cross-polarization gain across the sector's 3 dB Beam Width.

Dedicated to serving the needs of the Wireless Internet Service Provider (WISP) market, KP Performance Antennas offers purpose built products that reliably perform in the field. KP Performance Antennas product line consists of Yagi, Grid, Omni, Dish and other style antennas that operate in the 900 MHz, 2.4 GHz, 3 GHz, and 5 GHz frequencies.

2.4 to 7.125 GHz Rubber Duck Antenna SMA Male Tilt Swivel 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.

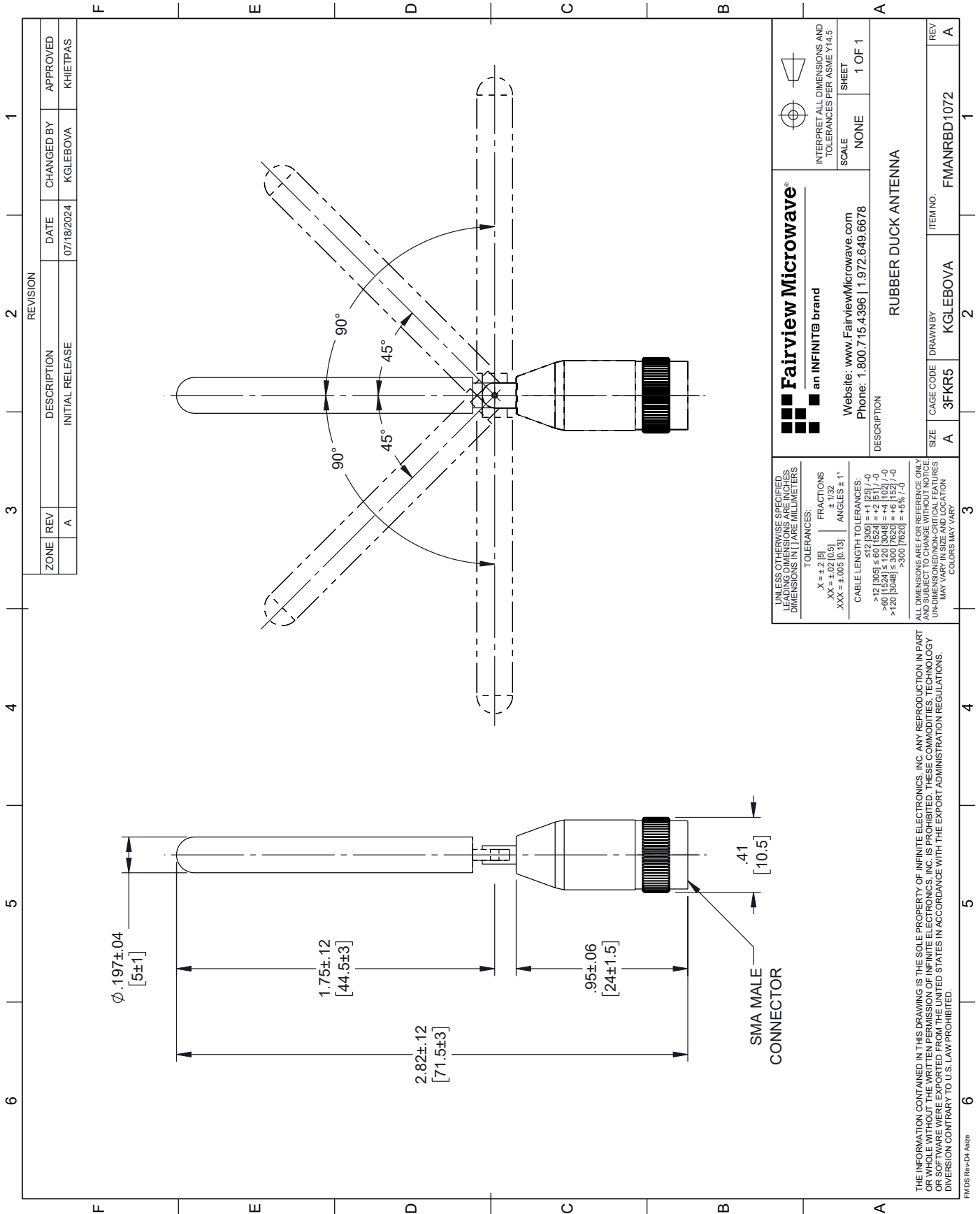
For additional information on this product, please click the following link: [2.4 to 7.125 GHz Rubber Duck Antenna SMA Male Tilt Swivel FMANRBD1072](#)

URL: <https://www.fairviewmicrowave.com/2.4-7.125-ghz-rubber-duck-antenna-sma-male-tilt-swivel-fmanrbd1072-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.

FMANRBD1072 CAD Drawing

2.4 to 7.125 GHz Rubber Duck Antenna SMA Male Tilt Swivel



ZONE		REVISION		APPROVED	
REV	DESCRIPTION	DATE	CHANGED BY	DATE	APPROVED
A	INITIAL RELEASE	07/18/2024	KGLEBOVA		KHIETPAS

Fairview Microwave® an INFINIT® brand Website: www.FairviewMicrowave.com Phone: 1.800.715.4396 1.972.649.6678		INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5 SCALE: NONE SHEET: 1 OF 1	
DESCRIPTION: RUBBER DUCK ANTENNA			
SIZE: A	CAGE CODE: 3FKR5	DRAWN BY: KGLEBOVA	ITEM NO.: FMANRBD1072
REV: A			

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

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

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] = +5 [127] / -0
 >300 [7620] = +5 [127] / -0

ALL DIMENSIONS ARE FOR REFERENCE ONLY. DIMENSIONS OF CRITICAL FEATURES UNLESS OTHERWISE SPECIFIED MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.

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.