

2.4 to 7.125 GHz Rubber Duck Antenna RP-SMA Male Tilt Swivel



FMANRBD1071

Features

- 2400 MHz to 7125 MHz
- 3 dBi Gain
- Reverse Polarity 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 FMANRBD1071 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 6.7 inches tall and 0.51 inches wide.

The FMANRBD1071 rubber duck antenna from Fairview Microwave features a Reverse Polarity 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 Reverse Polarity
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]

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Width	0.5 in [12.7 mm]
Height	0.5 in [12.7 mm]
Weight	0.02 lbs [9.07 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.

2.4 to 7.125 GHz Rubber Duck Antenna RP-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 RP-SMA Male Tilt Swivel FMANRBD1071](#)

URL: <https://www.fairviewmicrowave.com/product/antennas/2.4-7.125-ghz-rubber-duck-antenna-rp-sma-male-tilt-swivel-fmanrbd1071.html>

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FMANRBD1071 CAD Drawing
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