

2.4 to 7.125 GHz Rubber Duck Antenna 4 dBi RP-SMA Male Tilt Swivel



FMANRBD1060

Features

- 2400 MHz to 7125 MHz
- 4 dBi Gain
- Reverse Polarity SMA Male connector
- Tilt/Swivel
- VSWR 2:1
- 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 FMANRBD1060 is a high-quality multi-band rubber duck antenna with 4 dBi nominal gain and has a frequency range of 2400 MHz to 7125 MHz. Fairview Microwave's omnidirectional tilt/swivel rubber duck antenna is 6.69 inches tall and 0.75 inches wide.

The FMANRBD1060 rubber duck antenna from Fairview Microwave features a Reverse Polarity SMA Male connector with an input VSWR (voltage standing wave ratio) of 2:1.

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			2:1	
Impedance		50		Ohms
Gain		4		

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
Gain	3.53	5.98	3.63			dBi
VSWR Max	2:1	2.5:1	2:1			

Mechanical Specifications

Radome Material	ABS/POM
-----------------	---------

2.4 to 7.125 GHz Rubber Duck Antenna 4 dBi RP-SMA Male Tilt Swivel



FMANRBD1060

Size

Length	6 in [152.4 mm]
Width	0.5 in [12.7 mm]
Height	0.5 in [12.7 mm]
Weight	0.045 lbs [20.41 g]

Environmental Specifications

Temperature

Operating Range	-40 to +70 deg C
Storage Range	-40 to +80 deg C
Ingress Protection	IP66

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 4 dBi 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 4 dBi RP-SMA Male Tilt Swivel FMANRBD1060](#)

URL: <https://www.fairviewmicrowave.com/product/antennas/2.4-7.125-ghz-rubber-duck-antenna-4-dbi-rp-sma-male-tilt-swivel-fmanrbd1060.html>

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.

FMANRBD1060 CAD Drawing
 2.4 to 7.125 GHz Rubber Duck Antenna 4 dBi RP-SMA Male Tilt Swivel

