

136-174 MHz Rubber Duck Antenna, 1.8 dBi gain, I-COM Connector, Vertical Polarization

FMANRBD1022



Features

- 136 MHz to 174 MHz, 1.8 dBi Gain
- ICOM 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
- VHF applications
- Public Safety / Emergency services
- Marine / Rail road communications
- P-25 applications exclusively supported
- Land mobile radio (LMR)
- Fixed and mobile services

Description

Fairview Microwave's FMANRBD1022 is a vertical polarized antenna that ships same day from our ISO 9001:2015 certified facility. This directional antenna has L-COM connector. The FMANRBD1022 is a single band antenna operating from 136 to 174 MHz with 1.8 dBi gain.

Fairview Microwave's antenna with 136 to 174 MHz frequency range has a maximum input VSWR of 1.5:1. The FMANRBD1022 antenna has a black radome made of TPE, an overall length of 6.48 in, width of 0.500 in, and weighs 0.022 lbs.

Use our on-line ordering system to purchase your FMANRBD1022 antenna 24 hours a day with same-day shipping and no MOQs (minimum order quantities).

Configuration

Design	Rubber Duck
Band Type	Single
Radiation Pattern	Omni Directional
Polarization	Vertical
Connector Type	I-COM

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	136		174	MHz
Input VSWR			1.5:1	
Impedance		50		Ohms
Gain		1.8		dBi
Input Power			50	Watts

Mechanical Specifications

Radome Material	TPE
Size	
Length	6.48 in [164.59 mm]
Width	0.5 in [12.7 mm]
Height	0.5 in [12.7 mm]
Weight	0.22 lbs [99.79 g]

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Environmental Specifications

Temperature

Operating Range

-40 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.

136-174 MHz Rubber Duck Antenna, 1.8 dBi gain, I-COM 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: [136-174 MHz Rubber Duck Antenna, 1.8 dBi gain, I-COM Connector, Vertical Polarization FMANRBD1022](#)

URL: <https://www.fairviewmicrowave.com/1.8-dbi-rubber-duck-antenna-136-174-mhz-i-com-connector-fmanrbd1022-p.aspx>

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FMANRBD1022 CAD Drawing
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