902 to 928 MHz Rubber Duck Antenna 2.5dBi RP-SMA Male Tilt Swivel

FMANRBD1059

Features

- 902 MHz to 928 MHz
- 2.5 dBi Gain
- Reverse Polarity SMA Male connector
- Tilt/Swivel
- VSWR 2:1
- Linear polarization

Applications

- LPWAN
- ISM
- LoRaWAN
- Sigfox
- Weightless-P
- WiFi HaLow
- Fixed and Mobile Devices

Description

The FMANRBD1059 is a high-quality single-band rubber duck antenna with 2.5 dBi nominal gain and has a frequency range of 902 MHz to 928 MHz. Fairview Microwave's omnidirectional tilt/swivel rubber duck antenna is 7.72 inches tall and 0.5 inches wide.

The FMANRBD1059 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 single-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	Single
Radiation Pattern	Omni Directional
Polarization	Linear
Connector Type	SMA Male Reverse Polarity

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	902		928	MHz
Center Frequency		916		MHz
Input VSWR			2:1	
Impedance		50		Ohms
Gain		2.5		dBi

Mechanical Specifications

Radome Material	ABS/TPEE
Size	
Length	6 in [152.4 mm]
Width	0.5 in [12.7 mm]
Height	0.5 in [12.7 mm]
Weight	0.05 lbs [22.68 g]

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Environmental Specifications

Temperature

Operating Range	-40 to +65 deg C
Storage 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.

902 to 928 MHz Rubber Duck Antenna 2.5dBi 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: 902 to 928 MHz Rubber Duck Antenna 2.5dBi RP-SMA Male Tilt Swivel FMANRBD1059

URL: https://www.fairviewmicrowave.com/product/antennas/902-928-mhz-rubber-duck-antenna-2.5dbi-rp-sma-male-tilt-swivel-fmanrbd1059.html

FMANRBD1059 CAD Drawing

902 to 928 MHz Rubber Duck Antenna 2.5dBi RP-SMA Male Tilt Swivel