413 to 423 MHz Rubber Duck Antenna SMA Male

FMANRBD1069

Features

- 413 MHz to 423 MHz
- SMA Male connector
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- VSWR 2:1
- Linear polarization

Applications

- LPWAN
- ISM
- Weightless-P
- Fixed and Mobile Devices

Description

The FMANRBD1069 is a high-quality single-band rubber duck antenna witha frequency range of 413 MHz to 423 MHz. Fairview Microwave's omnidirectional rubber duck antenna is 2 inches tall and 0.37 inches wide.

The FMANRBD1069 rubber duck antenna from Fairview Microwave features a 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
Number of Ports	1

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	413		423	MHz
Center Frequency		418		MHz
Input VSWR			2:1	
Impedance		50		Ohms

Mechanical Specifications

Radome Material	ABS
Size	
Length	6 in [152.4 mm]
Width	0.5 in [12.7 mm]
Height	0.5 in [12.7 mm]
Weight	0.025 lbs [11.34 g]

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Environmental Specifications

Temperature	
Operating Range	-40 to +60 deg C
Storage Range	-40 to +80 deg C
Ingress Protection	IP65

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.

413 to 423 MHz Rubber Duck Antenna SMA Male 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: 413 to 423 MHz Rubber Duck Antenna SMA Male FMANRBD1069

URL: https://www.fairviewmicrowave.com/product/antennas/413-423-mhz-rubber-duck-antenna-sma-male-fman-rbd1069.html

FMANRBD1069 CAD Drawing

413 to 423 MHz Rubber Duck Antenna SMA Male