

5 dBi Rubber Duck Antenna 900-930 MHz RP-SMA Connector

The Fairview Microwave FM51RD1018 is an economical yet superior performance omnidirectional “rubber-duck” antenna designed for the 900 MHz ISM band. It features a tilt-and-swivel Reverse Polarity SMA (RP-SMA) male connector, allowing them to be used vertically, at a right angle, or any angle in-between. It is a coaxial sleeve design with an omni-directional pattern. It is ideally suited for 900MHz ISM band applications as well as cellular and LPWAN applications.

The high performance rubber-duck FM51RD1018 from Fairview Microwave is a flexible antenna providing broad coverage and 5.0 dBi gain. Measuring 15.5 inches long, this 5.0 dBi antenna makes a great upgrade to OEM supplied antennas offering much larger coverage area and stronger signals. It is suitable as a replacement RF antenna for 900 MHz radios that are equipped with RP-SMA connectors.

In addition to shipping the same day, our rubber duck antennas are high-quality components backed by expert technical support and sales personnel. Contact our knowledgeable and friendly technical support and sales staff for your answers on antennas or other Fairview Microwave products.

Configuration

Design	Rubber Duck
Gain	5
Polarization	Linear
Connector Type	SMA Male Reverse Polarity
Number of Ports	1

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	900		930	MHz
Input VSWR			2:1	
Impedance		50		Ohms
Gain		5		dBi

Mechanical Specifications

Housing Material	ABS
Housing Plating/Color	Black
Size	
Length	15.51 in [393.95 mm]
Width	0.51 in [12.95 mm]
Height	0.51 in [12.95 mm]
Weight	0.059 lbs [26.76 g]

Environmental Specifications

Temperature	
Operating Range	-40 to +65 deg C
Storage Range	-40 to +80 deg C



Features:

- Better performance Than Most Stock AP Antennas
- Flexible “Rubber Duck” Antenna
- RP-SMA Plug Connector
- Tilt and Swivel Design

Applications:

- 900 MHz Digital Spread Spectrum Radios
- 900 MHz ISM Band
- LPWAN, LoRA, IoT, M2M Applications
- 900 MHz Telemetry Products
- Cellular Band Applications

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Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

5 dBi Rubber Duck Antenna 900-930 MHz RP-SMA Connector 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: [5 dBi Rubber Duck Antenna 900-930 MHz RP-SMA Connector FM51RD1018](#)

URL: <https://www.fairviewmicrowave.com/single-antenna-900-930-mhz-5-dbi-gain-sma-fm51rd1018-p.aspx>

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