

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

The Fairview Microwave FM51RD1010 high performance 900MHz omnidirectional "rubber-duck" antenna features a RIGID connection to the Reverse Polarity SMA-Plug (RP-SMA) connector, permitting upright solid installations to the radio or Coax. It is ideally suited for 900MHz ISM band applications as well as cellular applications.

Measuring almost 15.4 inches long, the FM51RD1010 from Fairview Microwave provides broad coverage and 5 dBi gain. It is a coaxial sleeve design with an omnidirectional pattern. It is suitable as a replacement RF antenna for many 900MHz radios that are equipped with RP-SMA connectors such as wireless video transmitters and receivers, 900MHz digital spread spectrum radios and more.

This rubber duck antenna, as well as our wide selection of superior quality RF devices, ship same day. Contact our knowledgeable and friendly technical support and sales staff for your answers on antennas or other Fairview Microwave products.

Configuration

Gain	5 to 5 dBi
Polarization	Vertical
Connector Type	SMA Plug Reverse Polarity
Number of Ports	1
Lightning Protection	DC Ground

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	900		930	MHz
Input VSWR			2.5:1	
Impedance		50		Ohms
Gain		5		dBi
Horizontal (Azimuth) Beam Width		360		Degrees
Vertical (Elevation) Beam Width		30		Degrees
Input Power			50	Watts

Specifications by Frequency

Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Range	0.9-0.93					GHz
Gain	5					dBi
Horiz. Beam Width	360					Degrees
Vert. Beam Width	30					Degrees
Max Input Power	50					Watts

Mechanical Specifications

Size	
Length	16 in [406.4 mm]
Width	0.6 in [15.24 mm]
Height	0.6 in [15.24 mm]
Weight	0.053 lbs [24.04 g]

Features:

- 900 MHz Omnidirectional
- RIGID Connector RP-SMA Plug Installed
- Flexible Rubber Duck Antenna
- Improved Feed Thru to Protect Against Moisture

Applications:

- 900 MHz Digital Spread Spectrum Radios
- 900 MHz ISM Band
- 900 MHz Telemetry Products
- Cellular Band Applications
- GSM

Fairview Microwave
 301 Leora Ln., Suite 100
 Lewisville, TX 75056
 Tel: 1-800-715-4396 / (972) 649-6678
 Fax: (972) 649-6689
www.fairviewmicrowave.com
sales@fairviewmicrowave.com

Mechanical Specification Notes:
Rigid

Environmental Specifications

Temperature

Operating Range -40 to +55 deg C

Environment UL-94HB

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 FM51RD1010](#)

URL: <https://www.fairviewmicrowave.com/single-antenna-900-930-mhz-5-dbi-gain-sma-fm51rd1010-p.aspx>

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