

## 2 dBi Rubber Duck Antenna 2,400-2,500 MHz RP-SMA Connector

The Fairview Microwave FM51RD1021 is an economical yet high performance omnidirectional "rubber-duck" antenna designed for the 2.4 GHz ISM band. It features a RIGID connection to the Reverse Polarity SMA-Plug (RP-SMA) connector, permitting upright solid installation to the radio or coax. It is a coaxial sleeve design with an omni-directional pattern. It is ideally suited for IEEE 802.11b, 802.11g, 802.11n and 802.11ax (WiFi 6) Wireless LANs, Bluetooth, IoT and other applications.

The high performance rubber-duck FM51RD1021 from Fairview Microwave is a flexible antenna providing broad coverage and 2 dBi gain. It is suitable as a replacement RF antenna for 2.4 GHz radios that are equipped with RP-SMA connectors. This is primarily a replacement to the OEM antenna rather than a "range extender" type product.

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	2
Polarization	Linear
Connector Type	SMA Male Reverse Polarity
Number of Ports	1

### Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	2,400		2,500	MHz
Input VSWR			2:1	
Impedance		50		Ohms
Gain		2		dBi
Input Power			2	Watts

### Mechanical Specifications

Housing Material	ABS
Housing Plating/Color	Black
<b>Size</b>	
Length	2.95 in [74.93 mm]
Width	0.39 in [9.91 mm]
Height	0.39 in [9.91 mm]
Weight	0.001 lbs [0.45 g]

### Environmental Specifications

<b>Temperature</b>	
Operating Range	-40 to +65 deg C
Storage Range	-40 to +80 deg C



### Features:

- High performance 2 dBi
- Flexible "Rubber Duck" Antenna
- Optional Magnetic Mount Available
- RIGID RP-SMA Plug Connector

### Applications:

- Multipoint and Mobile Applications & Bluetooth®
- 2.4 GHz ISM Band
- IEEE 802.11b, 802.11g, 802.11x (WiFi 6) Wireless LAN
- IEEE 802.11n (Pre-N, Draft-N) Applications
- Public Wireless Hotspot
- Wireless Video Systems
- IoT Systems

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](http://www.fairviewmicrowave.com)  
[sales@fairviewmicrowave.com](mailto:sales@fairviewmicrowave.com)

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

**Plotted and Other Data**

Notes:

2 dBi Rubber Duck Antenna 2,400-2,500 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: [2 dBi Rubber Duck Antenna 2,400-2,500 MHz RP-SMA Connector FM51RD1021](#)

URL: <https://www.fairviewmicrowave.com/single-antenna-2.4-2.5-ghz-2-dbi-gain-sma-fm51rd1021-p.aspx>

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