

## 2.4 GHz 5 dBi Rubber Duck Antenna - RP-SMA Plug Connector

This compact 2.4 GHz omni-directional “rubber-duck” antenna provides broad coverage and 5.5 dBi gain. It is a coaxial sleeve design with an omni-directional pattern. It is ideally suited for IEEE 802.11b and 802.11g wireless LANs, Bluetooth® and other WLAN applications.

Measuring 8.0 inches long, this flexible antenna features a tilt-and-swivel Reverse-Polarity SMA Plug connector, allowing them to be used vertically, at a right angle, or any angle in-between. It is suitable as a replacement RF antenna for many access points and radios that are equipped with reverse-polarity SMA connectors including D-Link®, Linksys® WET11 and others.

Application Note: This antenna is not for use with U.S.Robotics® RP-SMA equipped devices.

### Configuration

Design	Rubber Duck
Gain	5.5 to 5.5 dBi
Polarization	Vertical
Cable Type	Coax Cable
Connector Type	SMA Plug Reverse Polarity
Number of Ports	1

### Electrical Specifications

Description	Min	Typ	Max	Units
Input VSWR			2:1	
Impedance		50		Ohms
Gain		5.5		dBi

### Specifications by Frequency

Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Range	2.4-2.5					GHz
Gain	5.5					dBi
Horiz. Beam Width	360					Degrees
Vert. Beam Width	70					Degrees

### Mechanical Specifications

Radome Material	ABS
<b>Size</b>	
Length	8 in [203.2 mm]
Width	0.52 in [13.21 mm]
Height	0.52 in [13.21 mm]
Weight	0.024 lbs [10.89 g]

### Environmental Specifications

<b>Temperature</b>	
Operating Range	-40 to +85 deg C



### Features:

- High performance - 5 dBi
- Flexible “Rubber Duck” antenna
- Tilt and swivel design
- Reverse Polarity SMA Plug Connector
- Optional Magnetic Mount Available

### Applications:

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

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

**Plotted and Other Data**

Notes:

2.4 GHz 5 dBi Rubber Duck Antenna - RP-SMA Plug 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: [2.4 GHz 5 dBi Rubber Duck Antenna - RP-SMA Plug Connector FM51RD1007](#)

URL: <https://www.fairviewmicrowave.com/single-antenna-5.5-dbi-gain-sma-fm51rd1007-p.aspx>

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