

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

**HG905RD-1-RSP**



**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

**Description**

The HG905RD-1-RSP from L-com 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 L-com high performance rubber-duck HG905RD-1-RSP 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.

This 900 MHz ISM antenna, as well as our wide selection of superior quality RF parts, ship same day. Contact our knowledgeable and friendly technical support and sales staff for your answers on antennas or other L-com products.

**Configuration**

Design	Rubber Duck
Band Type	Single
Polarization	Linear
Connector Type	SMA Male Reverse Polarity
Number of Ports	1
Housing Material and Plating	ABS, Black

**Electrical Specifications**

Description	Minimum	Typical	Maximum	Units
Frequency Range	900		930	MHz
Input VSWR			2:1	
Impedance		50		Ohms
Gain		5		dBi
Input Power			10	Watts

**Mechanical Specifications**

Click the following link (or enter part number in “SEARCH” on website) to obtain additional part information including price, inventory and certifications:  
[900 MHz 5 dBi Rubber Duck Antenna RP-SMA Plug Connector HG905RD-1-RSP](#)

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Housing Material	ABS
Housing Plating/Color	Black
Radiator Material	Copper
<b>Size</b>	
Length	15.51 in [393.95 mm]
Width	0.51 in [12.95 mm]
Height	0.51 in [12.95 mm]
Weight	0.12 lbs [54.43 g]

**Environmental Specifications**

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

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

**Plotted and Other Data**

Notes:

900 MHz 5 dBi Rubber Duck Antenna RP-SMA Plug Connector from L-com has same day shipment for domestic and International orders. Our portfolio includes coaxial cable assemblies, connectors, adapters and custom products as well as lightning and surge protectors, NEMA rated enclosures, and an RF product line which includes antennas, amplifiers, passive, and active components.

The information contained within this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part in order to impliment improvements. L-com reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. L-com does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and L-com does not assume liability arising out of the use of any part or document.

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## L-com CAD Drawing

