

## 900 MHz 5 dBi RP-SMA Plug RIGID Connector High Performance "Rubber Duck" Wireless LAN Antenna

HG905RDR-RSP

### Applications and Features

- Applications:**
- 900MHz ISM Band
  - Cellular Band Applications
  - 900MHz Digital Spread Spectrum Radios
  - 900MHz Telemetry Products
  - GSM
  - RFID
  - Wireless Video Transmitters and Receivers
  - Multipoint and Mobile Applications

- Features:**
- Better performance than most stock AP antennas
  - Flexible "Rubber Duck" antenna
  - RIGID connector seals antenna connections
  - Reverse Polarity SMA-Plug (RP-SMA) Connector
  - RoHS Compliant



### Description

This high performance 900MHz Omni-directional "rubber-duck" antenna provides broad coverage and 5 dBi gain. It is a coaxial sleeve design with an Omni-directional pattern. It is ideally suited for 900MHz ISM band applications as well as cellular applications.

Measuring almost 17 inches long, this flexible 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 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.

### Specifications

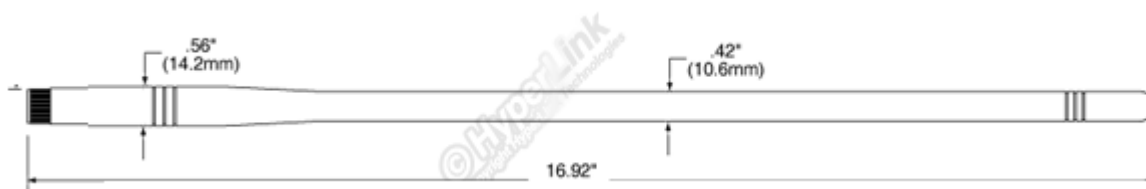
#### Electrical Specifications

<b>Frequency</b>	900-930 MHz
<b>Gain</b>	5 dBi
<b>Horizontal Beam Width</b>	360°
<b>Impedance</b>	50 Ohm
<b>Max. Power</b>	50W
<b>VSWR</b>	≤ 2.5
<b>Lightning Protection</b>	DC Ground

**Mechanical Specifications**

<b>Weight</b>	1.7 oz. (50 g)
<b>Length</b>	16.9" (430 mm)
<b>Max. Diameter</b>	0.56" (14.2 mm)
<b>Finish</b>	Matte Black
<b>Connector</b>	RP-SMA Plug
<b>Operating Temperature</b>	-40° C to 55° C (-40° F to 131° F)
<b>Polarization</b>	Vertical
<b>Flame Rating</b>	UL 94HB
<b>RoHS Compliant</b>	Yes

**Dimensions**



**RF Antenna Patterns**

