

## HyperLink Wireless brand 3.5 MHz 5 dBi RP-SMA Plug High Performance "Rubber Duck" Antenna - Model: HG3505RD-RSP



### Applications and Features

**Applications:**

- 3.5 GHz Band Applications
- Wireless LAN systems
- IEEE 802.16e Applications
- WiMAX
- Mobile WiMAX
- SOFDMA
- Multipoint and Mobile Applications

**Features:**

- Flexible "Rubber Duck" antenna
- Tilt and swivel design
- Reverse Polarity SMA-Plug (RP-SMA) Connector
- RoHS Compliant



### Description

This high performance 3.5 GHz omnidirectional "rubber-duck" antenna provides broad coverage and 5 dBi gain. It is a coaxial sleeve design with an omni-directional pattern. Typical applications include IEEE 802.16e, WiMAX and Mobile WiMAX applications.

Measuring 8.2" long, this flexible antenna features a tilt-and-swivel Reverse Polarity SMA-Plug (RP-SMA) 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 3.5GHz radios that are equipped with RP-SMA connectors.

### Specifications

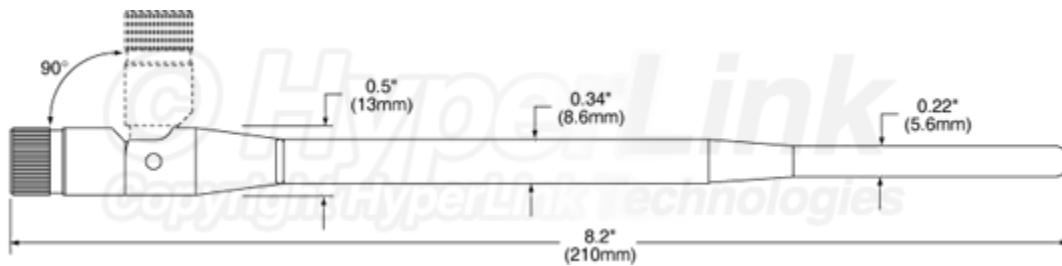
#### Electrical Specifications

<b>Frequency</b>	3400-3600 MHz
<b>Gain</b>	5 dBi
<b>Horizontal Beam Width</b>	360°
<b>Impedance</b>	50 Ohm
<b>Max. Power</b>	1W
<b>VSWR</b>	≤ 2.0

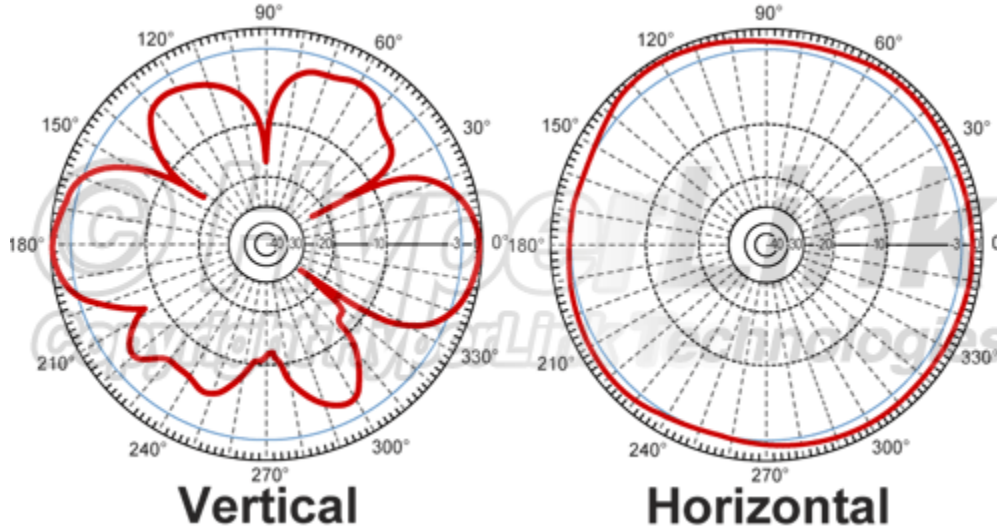
**Mechanical Specifications**

Weight	0.7 oz. (20 g)
Length	8.2 in. (210 mm)
Max. Diameter	0.52" (13 mm)
Finish	Matte Black
Connector	RP-SMA Plug
Operating Temperature	-30° C to to 60° C (-22° F to 140° F)
Polarization	Vertical
Flame Rating	UL 94HB
RoHS Compliant	Yes

**Dimensions**




**RF Antenna Patterns**



**Guaranteed Quality**

This product is backed by Hyperlink's Limited Warranty

**Optional Magnetic Mount**

	<b>HMA6</b>	Reverse-Polarity SMA-Jack (RP-SMA Jack) magnetic mount with 5 ft. high performance low-loss 100 series cable terminated with a Reverse-Polarity SMA Plug (RP-SMA Plug) or Reverse-Polarity TNC Plug (RP-TNC Plug) connector. Custom connectors and cable lengths also available.
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