

## 2.4 GHz 5.5 dBi Rubber Duck Antenna w/RP-SMA Plug Connector Model: HG2405RD-1-RSP

### Applications

- 2.4 GHz ISM Band
- IEEE 802.11b and 802.11g Wireless LAN
- WiFi and Bluetooth® applications
- Wireless video systems
- Multipoint and mobile applications

### Features

- Flexible "Rubber Duck" design
- Tilt and swivel design
- RP-SMA Plug connector
- Optional magnetic mount available



### Description

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.

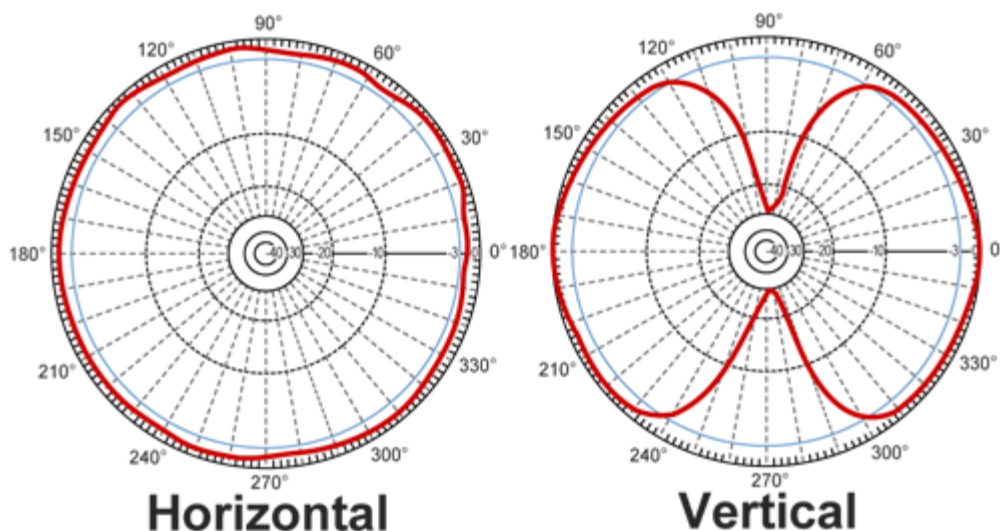
Measuring 8.0 inches long, this flexible antenna features a tilt-and-swivel Reverse-Polarity SMA Plug connector, allowing them to be used vertically, at a right angle, or any angle in-between. It is suitable as a replacement RF antenna for many access points and radios that are equipped with reverse-polarity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

### Specifications

|                              |                                    |
|------------------------------|------------------------------------|
| <b>Frequency</b>             | 2400-2500 MHz                      |
| <b>Gain</b>                  | 5.5 dBi                            |
| <b>Impedance</b>             | 50 Ohm                             |
| <b>VSWR</b>                  | < 2.0                              |
| <b>Weight</b>                | 0.7 oz. (20g)                      |
| <b>Length</b>                | 8.0 in. (202mm)                    |
| <b>Diameter</b>              | 0.5 in. (13mm)                     |
| <b>Finish</b>                | Matte Black                        |
| <b>Connector</b>             | Reverse Polarity SMA Plug          |
| <b>Polarization</b>          | Vertical                           |
| <b>Operating Temperature</b> | -40° C to 85° C (-40° F to 185° F) |
| <b>Flame Rating</b>          | UL 94HB                            |

## RF Antenna Gain Patterns



## Mounting Options

|                                                                                     | Description                                                                                                                                                                                                                                                                                                      | Part Numbers                                         |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|
|  | The HMA6-Series magnetic mount is well suited for use with RP-SMA Plug Rubber Duck type antennas. The magnetic base is suitable for fixing to vehicles or other metal surfaces as well as sitting on a tabletop or shelf. Available with RP-SMA Plug and RP-TNC Plug connectors in 5 ft and 10 ft cable lengths. | HMA6-RSP05<br>HMA6-RTP05<br>HMA6-RSP10<br>HMA6-RTP10 |