

# 2.4 GHz 9 dBi N-Female Bulkhead Connector, High Performance "Rubber Duck" Wireless LAN Antenna

# Model: HG2409RD-NFB

# **Applications and Features**

### Applications:

- 2.4 GHz ISM Band IEEE 802.11b, 802.11g Wireless LAN
- IEEE 802.11n (Pre-N, Draft-N, MIMO) Applications
- WiFi Access Points
- Bluetooth<sup>®</sup>
- Wireless Video Systems
- Multipoint and Mobile Applications

#### Features:

- RoHS
- High Performance 9 dBi
- Better performance then most stock AP antennas
- Flexible "Rubber Duck" antenna
- Tilt and swivel design
- SMA Male Connector
- RoHS Compliant
- Also available with magnetic mount

# Description

This high performance 2.4GHz Omni-directional "rubber-duck" WiFi antenna provides broad coverage and 9 dBi gain. It is a coaxial sleeve design with an Omni-directional pattern. It is ideally suited for IEEE 802.11b, 802.11g and 802.11n wireless LANs, Bluetooth<sup>®</sup> and other WLAN applications.

Measuring 15.1" long, this flexible antenna features a tilt-and-swivel SMA-Male 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 SMA connectors including FreeWave<sup>®</sup>, Senao<sup>®</sup>, Trapeze Networks<sup>™</sup> and others.

# **Specifications**

#### **Electrical Specifications**

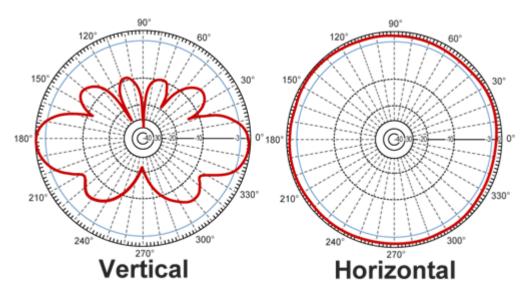
Frequency	2400-2500 MHz
Gain	9 dBi
Horizontal Beam Width	360°
Vertical Beam Width	25°
Impedance	50 Ohm
Max. Power	50W
VSWR	< 1.5:1



### **Mechanical Specifications**

Weight	2.1 oz. (60 g)
Length	15.4" (395 mm)
Max. Diameter	0.50" (12.7 mm)
Finish	Matte Black
Connector	N-Female Bulk Head
Operating Temperature	-40° C to 60° C (-40° F to 140° F)
Polarization	Vertical
Flame Rating	UL 94HB
RoHS Compliant	Yes

## **RF Antenna Patterns**



### **Guaranteed Quality**

This product is backed by L-Com's Limited Warranty