



## **RA-3, RA-5, & RA-7**

### **Wireless LAN Antennas**

The RA-3, RA-5 and RA-7 antennas are ideally suited for IEEE 802.11b and 802.11g wireless LAN's and Bluetooth® applications and other systems operating in the 2.4 GHz ISM band. The RA-3 and RA-7 are omnidirectional “rubber-duck” WiFi antennas providing broad coverage. These flexible antennas feature a tilt-and-swivel reverse polarity TNC connector allowing them to be used vertically, at a right angle, or any angle in-between. The RA-5 is a mobile or desktop Omni wireless LAN antenna with a magnetic base.

## **Features**

**2.4 GHz ISM Band**

**IEEE 802.11b and 802.11g Wireless LAN**

**Reverse-polarity TNC connector**

**RoHS Compliant**

# RA-3, RA-5 & RA-7 Specifications

## Overall

### Frequency

2400-2500 MHz

### Impedance

50 Ohm

### Finish

Matte Black

### Connector

Reverse Polarity TNC Plug

### Polarization

Vertical

### RoHS Compliant

Yes

## RA-3

### Gain

3 dBi

### VSWR

<2.0

### Flame Rating

UL 94HB

### Operating Temperature

-40°C to 85°C (-40°F to 185°F)

## RA-5

### Gain

5 dBi

### VSWR

<2.0:1 avg.

### Maximum Input Power

10W

### Operating Temperature

-40°C to 85°C (-40°F to 185°F)

## RA-7

### Gain

7 dBi

### Beam Width

Horizontal: 360°

Vertical: 25°

### Max Power

50W

### VSWR

< 1.5:1

### Operating Temperature

-40°C to 60°C (-40°F to 140°F)

## Product Dimensions/Weight

### RA-3

5.6"Length x .5"Diameter (143mm x 13mm),  
0.81 oz. (23 g)

### RA-5

6" (152.4mm), 16 oz (473.17 g)

### RA-7

15.2"Length x 0.50"Diameter (388mm x 13mm),  
23.9 oz. (680 g)

## Shipping Dimensions/Weight

### RA-3

1"W x 1"H x 5.6"D (25.4mm x 25.4mm x 142.24mm),  
8 oz (236.59 g)

### RA-5

1"W x 1"H x 6"D (25.4mm x 25.4mm x 152.39mm),  
8 oz (236.59 g)

### RA-7

1"W x 1"H x 15.2"D (25.4mm x 25.4mm x 386.08mm),  
8 oz (236.59 g)

## Ordering Information

### RA-3

Omni Antenna (3 dB), with TNC reverse polarity connector

Catalog Number: 302054003

### RA-5

Omni Antenna (5 dB), magnetic mount with TNC reverse polarity connector

Catalog Number: 302054005

### RA-7

Omni Antenna (7 dB), with TNC reverse polarity connector

Catalog Number: 302054004

## Contact Information

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This specifications information is preliminary and is subject to change without notification.

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