

# DATASHEET

## 4 dBi Omni RP-SMA MIMO 2.4/5 GHz Antenna A2504S3-O

The 4 dBi Omni RP-SMA MIMO 2.4/5 GHz antenna is a low-profile, multi-polarized MIMO (Multiple Input Multiple Output) antenna that provides antenna feeds and elements that provide maximum diversity for 2.4/5 GHz WiFi and WiMax broadband wireless frequencies.

The antenna provides a built-in ground plane, high-performance, low-cost cable, and high-quality connector for unsurpassed efficiency.

The antenna is extremely suitable for:

- ❖ Wireless Broadband Systems
- ❖ WiFi AP
- ❖ Router
- ❖ Bridge
- ❖ CPE
- ❖ Wireless Mesh
- ❖ High-Obstruction Deployments
- ❖ Outdoor Fixed or Mobile applications



### Features

- ◆ Built-in spatial diversity
  - ◆ Wide band performance
  - ◆ Integrated ground plane
  - ◆ UV stabilized material
  - ◆ Single 3/4-inch stud mount
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## Specifications

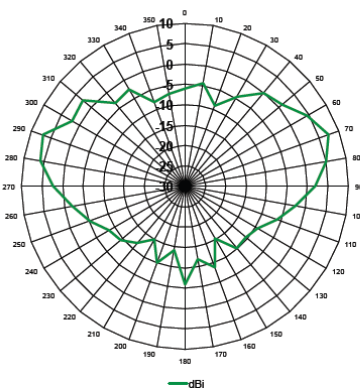
### Typical Performance

Frequency Range	2.4 GHz, 4.9 to 6 GHz
Gain	4 dBi (With built-in spatial and polarization diversity, performance in obstructed environments is greater than that of standard antennas with similar or higher laboratory gains)
VSWR	1.1:1 to 1.5:1
Polarization	Multi-Polarized
Power	50 W Input
Input	50 ohms Nominal

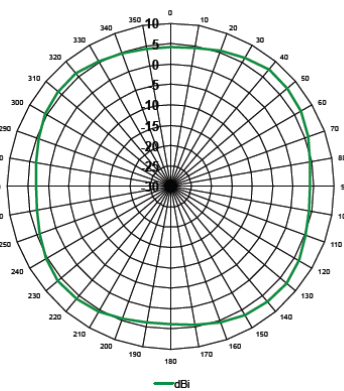
### Physical

Diameter	4.5 in (114.3 mm)
Height	2.5 in (63.6 mm)
Weight	12 oz (340 g)
Cables	LMR200, 15 LF
Connector	RP-SMA
Construction	UV ASA
Ground Plane	Built-in
Warranty	One-year limited

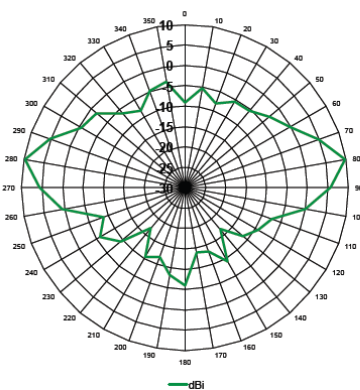
2.4GHz Elevation Radiation Pattern



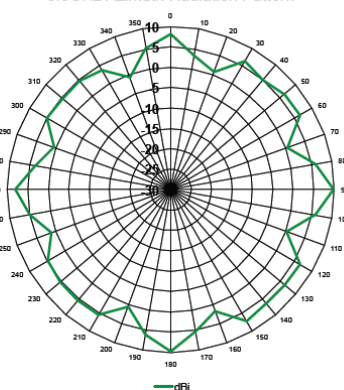
2.4GHz Azimuth Radiation Pattern



5.8GHz Elevation Radiation Pattern



5.8GHz Azimuth Radiation Pattern



## Regulatory Approvals

Visit our website at [www.prosoft-technology.com](http://www.prosoft-technology.com) for current wireless approval information.



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## Ordering Information

To order this product, please use the following:

### 4 dBi Omni RP-SMA MIMO Antenna with 15-foot Pigtail 2.4/5 GHz

A2504S3-O (15 foot pigtail)  
A2504S3-O-1 (1 foot pigtail)  
A2504S3-O-6 (6 foot pigtail)

To place an order, please contact your local ProSoft Technology distributor. For a list of ProSoft Technology distributors near you, go to: [www.prosoft-technology.com](http://www.prosoft-technology.com) and select *Where to Buy* from the menu.

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