

# Omni-5GHz Data Sheet

Multi-Polarized Omni Directional Antenna

**Model No:**  
08-ANT-0872



## Product Overview

The **Omni-5GHz**, offered by MP Antenna, is a low profile Multi-Polarized antenna that can be easily mounted to drop ceiling tiles or solid surfaces without heavy brackets. Weighing less than 2 oz. and covering 4.2GHz - 6GHz, the **Omni-5GHz** is ideal for deployments in hospitals, hotels, schools, and other commercial installations where omni-directional coverage is required. The exceptional effective hemispherical, Multi-Polarized signal pattern provides unequalled wireless communication in "Real World" obstructed, non-line-of-sight (NLOS) environments. For ultimate performance use MP Antenna technology to further improve connectivity, throughput and network performance on all wireless devices.



**M-POL<sup>TM</sup> Certified** is MP Antenna's exclusive assurance that MultiPolarized antenna technology is incorporated into a world class product to provide superior connectivity in real world obstructed environments.

## Features

- Multi-Polarized
- Obstruction Penetrating Send and Receive
- Enhanced Connectivity and Throughput
- Built in Spatial Diversity
- Effective Broad Pattern Coverage
- **M-POL<sup>TM</sup>** Quality and Performance
- Low Profile, Light Weight Design
- UV Stabilized Materials
- RoHS Compliant
- Peel and Stick Mounting Patch Included

## Applications

- 5 GHz ISM Band Applications
- 802.11 Wireless Systems
- Wireless Broadband Systems
- WiFi Access Point, Router, Bridge, CPE
- Building Penetration and High Obstruction Deployments
- Mobile Applications
- Public Safety 4.9 GHz band

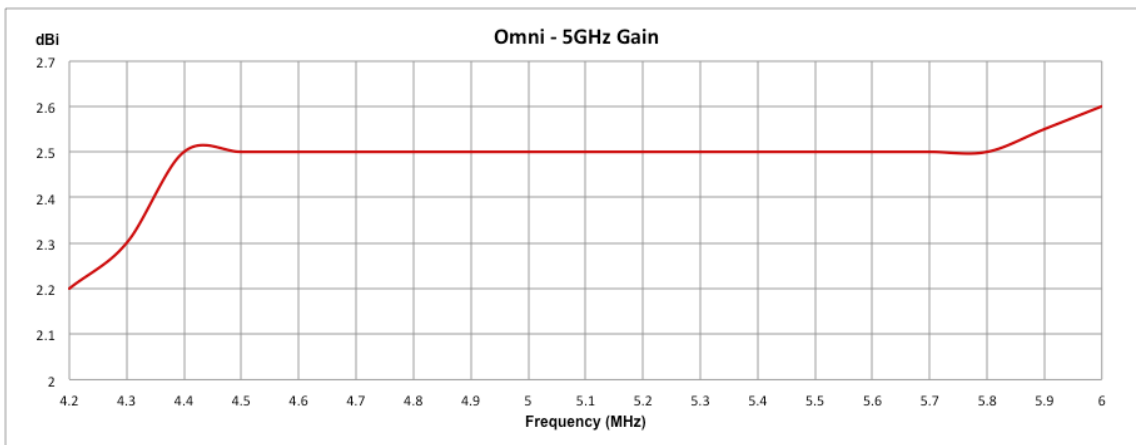
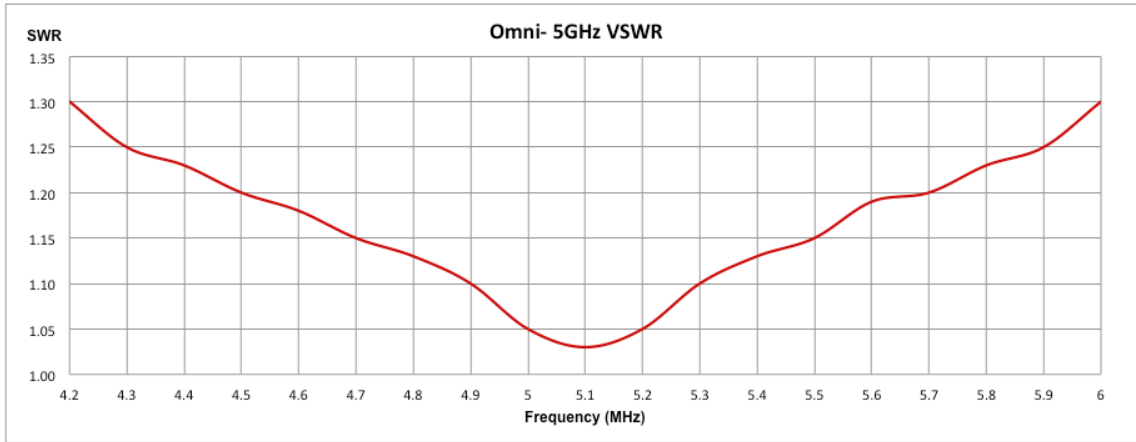
\* **MP Antenna** products and technology are protected under United States Patent No. 6,496,152. Other patents pending. Please contact MP Antenna for information about using or licensing **MP Antenna** products or technology. REV: 110910

# Omni-5GHz Data Sheet

Multi-Polarized Omni Directional Antenna



Model No:  
08-ANT-0872



## Physical Specifications

Diameter: 3.75 in  
Height: 2 in  
Weight: 3 oz  
Construction: UV Stabilized Polymers  
Connector: SMA-Female  
Warranty: One year limited

## Typical Performance

Frequency  
Range: 4.2-6.0GHz  
Gain: 2.5dBi\*  
VSWR: 1.03-1.3:1  
Polarization: Multi-Polarized  
Power: 50 Watts Input  
Input: 50 ohms nominal

**\*With built in spatial and polarization diversity, performance in obstructed environments is greater than that of standard antennas with similar or higher laboratory gains.**

## Part Numbers and Mounting Hardware

Omni-5GHz W/ Adhesive Mount: 08-ANT-0872-FACE

MP Antenna reserves the right to change product information and specifications without notice. Responsibility for the use and application of MP Antenna products rests with the end user since MP Antenna cannot be aware of all potential uses. MP Antenna makes no warranties as to the fitness, merchantability, or suitability of any MP Antenna products for any specific or general uses. MP Antenna shall not be liable for incidental or consequential damages of any kind.

copyright © 2009 MP Antenna Ltd. All rights reserved. MP Antenna logo and M-POL™ are registered trademarks of MP Antenna Ltd

MP Antenna, LTD - 7887 Bliss Parkway - North Ridgeville, OH 44039 - 877.678.3243 - fax 877.678.3245 - [www.mpantenna.com](http://www.mpantenna.com)