

Pulse Part Number RO5805NM



Pulse Electronics is proud to introduce our first Omni antenna to cover the entire 5.X frequency band. This Omnidirectional, 5 dBi antenna represents the initial offering in the product line to be followed by 8 and 10 dBi gain models. These antennas are ideally suited for direct mounting to access points for indoor and outdoor WLAN applications. They can be directly mounted to the access point or mounted remotely and connected through cabling if required. Antennas are available in N-Male or Female connectors, or with cable pigtail and choice of connectors. The antenna is IP65 Rated to prevent water ingress, and is less than 7" in height.

The Broad Elevation Beamwidth of this antenna allows it to be mounted in either the traditional upright or inverted orientation without degrading performance. The combination of minimal length and small - under 1" - diameter radome provides for minimal wind-loading when in multiple antenna outdoor applications. This antenna combined with the RO24xx product line offers superior performance and value for enterprise WLAN deployments.

Features

- Operates efficiently over entire 5.X bandwidth
- Less than 7" in height
- Available with N-Male and Female direct mount bases or cable pigtail with a wide choice of connectors
- RoHS Compliant Product

Applications

- Enterprise WLAN deployments
- Suitable for indoor or outdoor use
- Direct mounting to access point or wall and pipe mounting with optional mounting kit

Omnidirectional Antenna

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Electrical Specifications

Frequency [MHz]	5150 - 5875
Nominal Impedance [Ω]	50
VSWR	2:1
Gain [dBi avg]	5
Radiation Pattern	Omni
Polarization	Vertical
Power Rating [W]	100
Connector	N Male

Environmental Specifications

Operating Temperature [$^{\circ}\text{C}$]	-40 to +65
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Mechanical Specifications

Radome Material	Pultruded Fiberglass, UV-Protected
Color	White
Ingress Protection	IP67
Weight [oz/g]	5 / 155.5
Wind-loading [Mph]	150
Dimensions [Inches/mm]	6.6 / 167.64
Mounting	Direct, Wall and Pipe (optional mounting kit available)

Radiation Patterns

