



QP - AO24015 Series

Wireless LAN Omnidirectional Antenna

Omnidirectional Antenna
2.4GHz; 8dBi

Description

The QPCOM[®] QP-AO24015 is a Profession Grade Omni-Directional antenna that can be used for Commercial installations. The antenna features high gain and superior VSWR. The unit is optimized for the 2.4GHz ISM band.

Features

A collinear Omni-Directional antenna that utilizes a center fed Collinear Dipole array that offers superior performance over the traditional bottom fed collinear designs.

A center fed collinear has radiating elements that are more uniformly fed with signals of the proper amplitude and phase. In a bottom fed design, the signals that reach the upper elements have undergone significant amplitude and phase degradation. In most cases, the upper elements of an end fed

design contribute little to the antennas final composite gain and pattern.

In the QPCOM[®] QP-AO24015, an internal copper hard-line provides a low loss path to the antenna's central splitting and phasing component.

The brass radiating elements of the QP-AO24015 utilize an air dielectric for lowest loss and superior radiating efficiency. The design is factory tuned for superior performance.

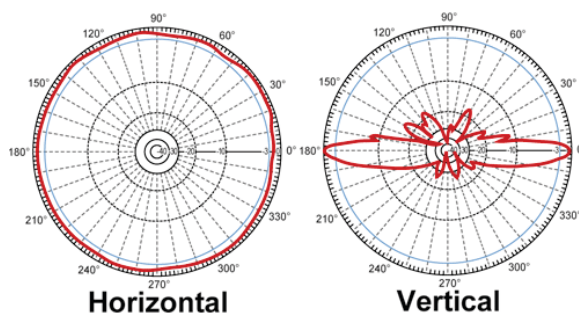




QP - A024015 Series

Wireless LAN Omnidirectional Antenna

RF Antenna Patterns



Available Models	
Model	Connector
QP-A024012-NF	N-Female
QP-A024015-RTP	Reverse Polarity TNC Plug

Specifications

Electrical Specifications

Frequency	2400-2500 Mhz
Gain	15 dBi
Polarization	Vertical
Vertical Beam Width	8°
Horizontal Beam Width	360°
Impedance	50 Ohm
Max. Input Power	100 Watts
VSWR	1.5 : 1 or Less
Lightning Protection	DC Short

Physical Specifications

Weight Antenna	3.3 lbs (1.5kg)
Length	40.5in. (1.03m)
Base Diameter	1.69in. (42.9mm)
Radome Diameter	1.52in. (38.6mm)
Radome Material	Gray Fiberglass Watherproof
Mounting	2.0" diameter mast max.
Wind Survival	up to 150 MPH
Operating Temperature	-40°C to 85°C (-40°F to 185°F)
RoHS Complaint	Yes
Connector	Integral N-Female

