



## OC24005

### Vertically Polarized Omni Antenna 2400-2500 MHz

Laird Connectivity's OC24005 is a 2400-2500 MHz omnidirectional, collinear, vertically polarized array especially designed to complement interior- or exterior-mounted wireless network systems. An integrated RF connector is embedded in the antenna base cap for direct AP mounting. Special venting permits either upright or inverted orientation in outdoor locations. The antenna may also be pole-mounted when separation from the AP is required for optimum positioning.

#### FEATURES AND BENEFITS

- Vertically polarized omnidirectional
- Indoor and outdoor usage
- Rugged, lightweight, and water resistant
- Direct to radio mounting

#### APPLICATIONS

- Offices, hotels, college campuses
- Airports and hospitals
- Museums, libraries, retail malls
- Transportation centers
- Wi-Fi hot spots
- Cellular off-loading

#### ELECTRICAL SPECIFICATIONS

Model Name	OC24005
Operating Frequency (MHz)	2400-2500
VSWR - Max	1.7:1
Gain (dBi)	5
Nominal Impedance (Ohms)	50
Max Power - Ambient 25°C (W)	50
Polarization	Linear, vertical
Vertical Plane 3 dB Beamwidth	30°
Horizontal Plane 3 dB Beamwidth	Omnidirectional

## MECHANICAL SPECIFICATIONS

Dimensions - mm (inches)	297 x 32 (11.7 x 1.26)
Weight - kg (lbs.)	0.14 (0.31)
Radome Material	Polycarbonate, UV white
Connector	Model-specific
Mounting	Connector fixed or mast mount kit (upright/inverted orientations)

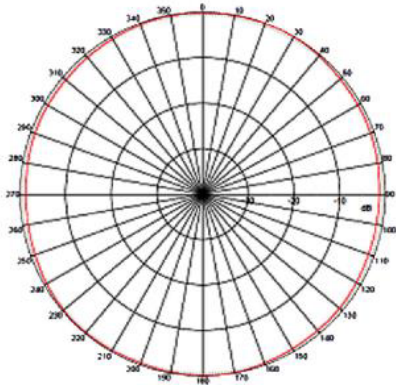
## ENVIRONMENTAL SPECIFICATIONS

Operating Temperature - °C (°F)	-30 to +70°C (-22 to +158°F)
Storage Temperature - °C (°F)	-40 to +85°C (-40 to +185°F)
Ingress Protection Rating	IP54
Material Substance Compliance	RoHS

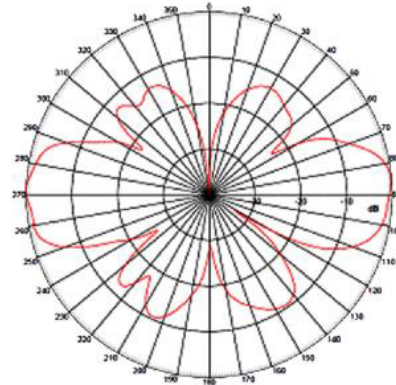
## CONFIGURATION

PART NUMBER	CONNECTOR
OC24005-FNF	Type N female
OC24005-FNM	Type N male

## RADIATION PATTERNS



H Plane 2.45 GHz



E Plane 2.45 GHz

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## TE TECHNICAL SUPPORT CENTER

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