



## OD Series Omni Antenna

For WLAN, Video and Data Systems

- 3 dBi, 6 dBi, 9 dBi & 12 dBi antennas provide uniform omni coverage
- Unique design allows economical build out
- Mounting kit includes all hardware needed
- Reflector option provides directional beamshaping & increased performance

The OD Series Antennas are optimized for use in a wide variety of wireless systems. Typical uses include WLAN access points or bridge (802.11), and surveillance transmitters.

These antennas consist of a collinear array with elements stacked vertically. Unique phasing cancels out-of-phase current distribution, improving system performance. This design maintains an omni pattern in the horizontal plane. The OD Series are free space antennas; no ground plane is required.

An option for the OD series is a reflector kit that beam shapes the omni pattern into a directional cardioid shape. This can result in improved directional gain, and isolation for reduced interference.

The low profile black radome (1" diameter) makes the antennas durable and rugged. They can withstand the harshest environments of snow, wind, rain and ice. The feed assembly is made of precision machined aluminum components and is irradiated for weather protection. The antennas comes with all the hardware needed to install it to a mast. The OD antennas normally terminate with a

female N connector. Optional models include pigtail cable with connector. For ISM, Part 15 compliant connectors are available (reverse polarized), please consult factory.

### Model Numbers

Model	Freq.(MHz)	Gain	Applications
OD3-2400	2400-2485	3 dBi	WLAN, ISM, Video
OD6-2400	2400-2485	6 dBi	WLAN, ISM, Video
OD9-2400	2400-2485	9 dBi	WLAN, ISM, Video
OD12-2400	2400-2485	12 dBi	WLAN, ISM, Video

Frequencies subject to bandwidth constraints; confirm desired frequencies at time of order. For pigtail cable options and special frequencies, please consult factory for latest model numbers and configurations.

### Options

Options	Model
Add-on kit for 6 dBi models	ODR6-Kit
Add-on kit for 9 dBi models	ODR9-Kit
Add-on kit for 12 dBi models	ODR12-Kit
Rev TNC with 1 ft Cable option	add -PTA to OD model
Rev BNC with 4 ft Cable option	add -PT2 to OD model

### Specifications

<b>Frequency &amp; Gain:</b>	See above	<b>Length/Weight:</b>	
<b>Bandwidth @2:1 VSWR:</b>	See above	3 dBi Models	16 inches, 1.5 lbs
<b>Nominal Impedance:</b>	50 ohms	6 dBi Models	19 inches, 1.5 lbs
<b>Max. Power (continuous):</b>	100 watts	9 dBi Models	27 inches, 2.0 lbs
<b>Vertical Beamwidth (-3 dB point):</b>		12 dBi Model	41 inches, 2.5 lbs
3 dBi Model	55 degrees	<b>OD Series Interface:</b>	N female connector
6 dBi Models	25 degrees	<b>Mounting Kit:</b>	Mast mount kit included
9 dBi Models	14 degrees	<b>Mounting Dimensions:</b>	Use mast up to 2" OD
12 dBi Model	7 degrees	<b>Material:</b>	Polycarbonate with aluminum body, fiberglass radome on OD12 with aluminum body
<b>Wind Loading (flat plate equiv.):</b>	30-40 sq. inches	<b>Options:</b>	Reflector Option Kit
<b>Rated Wind Velocity:</b>	100+ mph		Pigtail Cable Option
<b>Lightning Protection:</b>	External suggested		Part 15 Reverse Connectors
<b>Antenna Diameter:</b>	1", main mast		