



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 options provide directional beamshaping & sectorization

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

These antennas are collinear arrays. Unique phasing cancels out-of-phase current distribution, improving performance. The OD Series are free space antennas; no ground plane is required.

Unique options for the OD series are add-on Reflector Kits that beam shapes the omni pattern. Reflector options are available to provide cardioid shape in 90°, 120° & 180° patterns. These can result in improved directional gain, and isolation for reduced interference.

The black fiberglass radome (1" diameter/25 mm) 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 antenna comes with all the hardware needed to install it to

a mast. The OD antennas terminate with a female N connector. Optional models include pigtail cable with other connectors. 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

Pigtail Cable Option

RevTNC & 1ft (30 cm)RG-8 Cable add -PTA to model

Reflector Options

Reflector Options	Model
Add-on 90° kit for OD9-2400	ODR9-2400K
Add-on 120° kit for OD9-2400	ODR9-2400T120K
Add-on 180° kit for OD9-2400	ODR9-2400T180K

Reflector options available for all models, consult factory for full details and complete model listings

Specifications

Frequency & Gain:	See above	Antenna Diameter:	1" (25 mm), main mast
Bandwidth @2:1 VSWR:	See above	Length/Weight:	
Nominal Impedance:	50 ohms	3 dBi Models	16", 1.5 lbs (41 cm, 0.7 kg)
Max. Power (continuous):	25 watts	6 dBi Models	19", 1.5 lbs (48 cm, 0.7 kg)
Vertical Beamwidth (-3 dB point):		9 dBi Models	27", 2.0 lbs (69 cm, 0.9 kg)
3 dBi Model	55 degrees	12 dBi Model	41", 2.5 lbs (104cm, 1.1 kg)
6 dBi Model	25 degrees	Mounting Kit:	Mast mount kit included
9 dBi Model	14 degrees	Mounting Dimensions:	Use mast up to 2" (50 mm)
12 dBi Model	7 degrees	Material:	Fiberglass radome with aluminum body
Wind Load (flat plate equiv.):	30-40 sq. inches (190-260 sq.cm)	Options:	Reflector Option Kits
Rated Wind Velocity:	100+ mph (160+kph)		Pigtail Cable Option
Lightning Protection:	External suggested		Part 15 Reverse Connectors
OD Series Interface:	N female connector		