



## Omni-Directional Antennas 1.8/1.9 GHz

- 6 dBi & 9 dBi antennas provide uniform omni coverage
- 6 & 9 dBi antenna for 1.8 band surveillance
- Mounting kit includes all hardware needed
- Reflector kit allows the radiation pattern to be reshaped into a directional cardioid pattern

The OD Series Antennas for 1.8/1.9 GHz are optimized for use in a wide variety of wireless systems. Typical uses include MicroCell, data links, and surveillance transmitters.

These antennas consist of a colinear 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 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. Custom cable assemblies are available from Mobile Mark for connecting the antenna to

the modem. The antennas is supplied with all the hardware needed to install it to a mast.

Model #	Frequency	Gain
OD6-1800-BLK	1750-1850	6 dBi
OD6-1900-BLK	1850-1990	6 dBi
OD9-1800-BLK	1710-1880	9 dBi
OD9-1900-BLK	1850-1990	9 dBi
<u>Color options available for above models</u> WHT-White or BLK-Black		
<u>Model</u>	<u>Options</u>	
ODR6-1800K	Add-on 90° reflector for 6 dBi models	
ODR6-1900K	Add-on 90° reflector for 6 dBi models	
ODR9-1800K	Add-on 90° reflector for 9 dBi models	
ODR9-1900K	Add-on 90° reflector for 9 dBi models	
OD-WMK	Wall Mount Bracket	

### Specifications

Frequency & Gain:	See above
VSWR:	2:1 over band
Nominal Impedance:	50 ohms
Max. Power (continuous):	100 watts
Vertical Beamwidth (-3 dB point):	
6 dBi Models	25 degrees
9 dBi Models	14 degrees
Wind Loading (flat plate equiv.):	30-40 sq. inches (194-258 sq.cm)
Rated Wind Velocity:	125+ mph (200+ kph)
Operating Temp:	-40° to +85° C
Lightning Protection:	External suggested
Antenna Diameter:	1" (25 mm) main mast and body
OD Series Interface:	N Jack (Female) connector

Length/Weight:	
6 dBi Models	22 inches (55.9 cm) 2 lbs (.09 kg)
9 dBi Models	41 inches (104 cm) 2.5 lbs (1.1 kg)
Mounting Kit:	Mast mount kit included
Mast Dimensions:	Fits mast up to 2.5" OD (51mm)
Material:	Fiberglass radome with aluminum body
Options:	Wall Mount Bracket (OD-WMK) Reflector Kit
Shock & Vibration:	EN 300 019-2-4, IEC 60068
Water Ingress:	IPx5