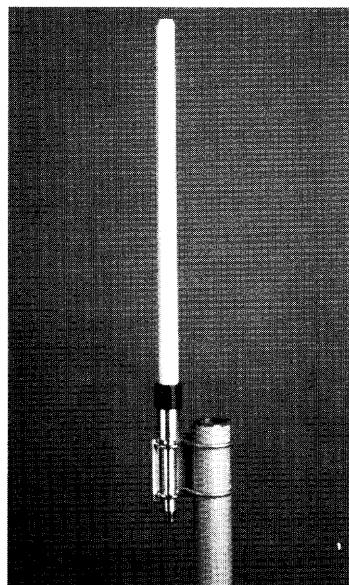


Base Station Antennas



OD4-900 antenna

Cellular Omni Antenna 825-895 MHz

- 4 dBd gain with omni-directional pattern
- Mount anywhere; no ground plane required
- DC grounded for maximum lightning protection
- Includes all mounting hardware

The OD4-900 Base Station antenna is designed for use in many cellular applications. It is particularly useful for filling out cellular system holes, and for remote or isolated portions of the system. It can be used for remote customer locations such as cabins, farms, and construction sites.

This antenna consists of a collinear array with radiating elements stacked vertically. This design compresses the vertical pattern to achieve gain along the horizon, yet maintains the horizontal omni pattern.

This multi-element antenna improves communication in both transmit and receive cellular bands. As a free space antenna, it can be mounted virtually anywhere space permits. No separate ground plane is required for proper operation.

The low profile design of the OD4-900 makes it particularly durable and reliable. The fiberglass radome makes it nearly impervious to the environment, and its low profile reduces wind load to a minimal.

The antenna feed section is constructed of precision aluminum components, which are further protected with irriditing. The antenna terminates in a male N connector. The OD4-900 antennas come complete with all necessary mounting hardware, including pipe clamps, and offset bracket.

Model

OD4-900 4 dBd Omni cellular antenna

Other/special frequencies available upon request, including SMR/Trunking. Please consult factory.

Specifications

Frequency:	825895 MHz others available upon request, consult factory	Connector:	Type N male
Gain:	4 dBd, 6 dBi	Length:	36 in (90cm)
Bandwidth @ 2:1:	70 MHz	Net Weight:	2 lbs (0.9 kg)
Nominal Impedance:	50 ohms	Mounts to Pipe O.D.:	3/4 in (2cm) to 2 in (5cm)
Polarization:	Vertical	Wind Survival:	100 mph (160 km/h)
Input Power:	250 watts	Wind load @ 100 mph:	12.3 lbs (5.5 kg)
Lightning Protection:	DC Grounded	Maximum exposed area:	30 sq in (194 sq cm)
Beamwidth:		Feed Material:	Irridited aluminum with stainless steel hardware
Vertical (Elevation)	32 degrees	Radome:	Fiberglass sheath
Horizontal (Azimuth)	Omni, 360 degrees	Mounting:	Offset bracket & pole mounting C-clamps, provided