

VERTICALLY POLARIZED OMNI ANTENNAS

OD9

860-960 MHZ VERTICALLY POLARIZED OMNI-DIRECTIONAL ANTENNA

The NLOS series omni-directional antenna system offered by Laird are constructed of UV stabilized fi berglass and stainless steel for long service life. Mounting is easy with a dual u-bolt mounting system. The antennas are vertically polarized. The 6dBi and 8dBi come standard with 18" pigtails terminated in an N female connector. The 5dBi and 11dBi comes standard with an integrated N Female connector. The omni's are DC grounded for lightning protection. The 11dBi omni is available with 1 deg electrical downtilt which provides null fill and improved close-in coverage.

FEATURES **✓** RoHS

- 900MHz omni-directional antenna
- Available in 5, 6, 8 and 11dBi gain models
- 1 degree electrical downtilt available on the 11dBi model
- UV stabilized fi berglass / stainless steel construction
- 18" pigtail with type N female connector standard (6dBi and 8dBi models only)

MARKETS

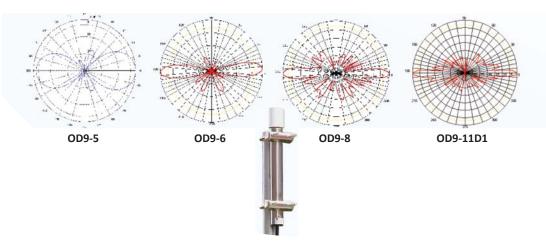
- 900 MHz ISM band applications
- · WISP base station equipment
- · Non line-of-sight applications
- Cellular applications

| PARAMETER | OD9-5 | OD9-6 | OD9-8 | OD9-11 | OD9-11D1 |
|------------------------|--------------------|-------------------|-------------------|---------------------|----------------------------|
| VSWR | 1.5:1 | 1.5:1 | 1.5:1 | 1.5:1 | 1.5:1 |
| Impedance | 50 ohm | 50 ohm | 50 ohm | 50 ohm | 50 ohm |
| Input power | 100W | 100W | 100W | 100W | 100W |
| Pole diameter (OD) | 1"- 2" (25-51mm) | 1"- 2" (25-51mm) | 1"- 2" (25-51mm) | 1"- 2" (25-51mm) | 1"- 2" (25-51mm) |
| Operating temperature | -45 - +70°C | -45 - +70°C | -45 - +70°C | -45 - +70°C | -45 - +70°C |
| Rated wind velocity | 125 mph (56 m/sec) | 125 mph (56 m/sec |) 125 mph (56 m/s | ec) 125 mph (56 m/s | sec) 125 mph (56 m/se |
| Gain | 5dBi | 6dBi | 8dBi | 11dBi | 11dBi |
| VSWR 1.5:1 bandwidth | 890-950 MHz | 865-945 MHz | 865-945 MHz | 860-960 MHz | 860-960 MHz |
| VSWR 2.0:1 bandwidth | | 860-960 MHz | 860-960 MHz | | |
| Vertical 3dB beamwidth | 1 36° | 16° | 10° | 7° | 7° |
| Electrical downtilt | 0 | 0 | 0 | 0 | 1 |
| Length | 24 in (610 mm) | 5.6 ft (1.7 m) | 8.5 ft (2.6 m) | 11 ft (3.4 m) | 11 ft [°] (3.4 m) |
| Diameter | 1.5 in (38 mm) | 1.5 in (38 mm) | 1.5 in (38 mm) | 1.5 in (38 mm) | 1.5 in (38 mm) |

SYSTEM ORDERING

OD9-5
5dBi slimline NLOS series 900MHz omni antenna with N female bulkhead connector
OD9-6
6dBi NLOS series 900MHz omni antenna with 18" pigtail / N female connector
OD9-8
8dBi NLOS series 900MHz omni antenna with 18" pigtail / N female connector

OD9-11D1 11dBi 1deg elec downtilt NLOS series 900MHz omni antenna with integrated N female connector



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