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# 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" pigtailed 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 fi ll and improved close-in coverage.



#### FEATURES

- 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)

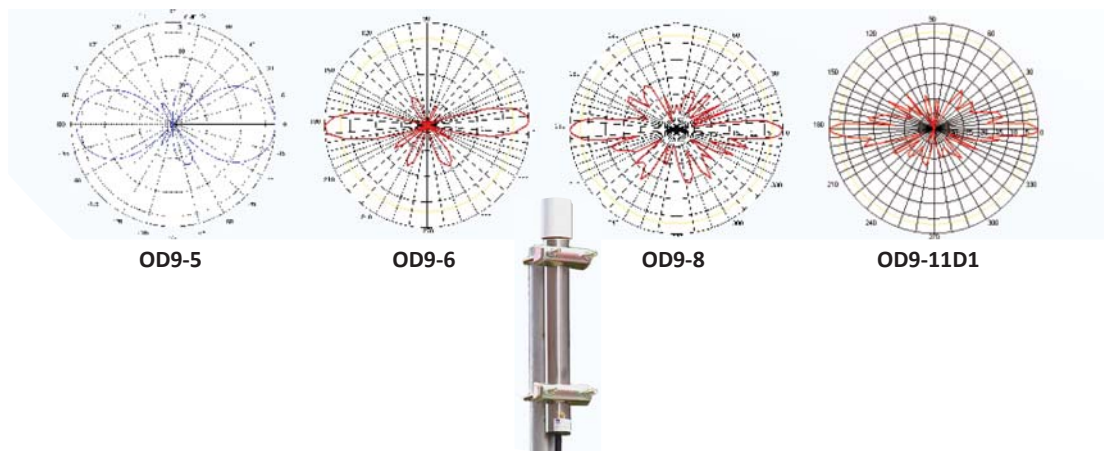
#### MARKETS

- 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/sec)	125 mph (56 m/sec)	125 mph (56 m/sec)
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	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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