



OD9 0121

OD9 SERIES NLOS SERIES OMNIDIRECTIONAL ANTENNAS 860-960 MHz

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

FEATURES AND BENEFITS

- 900 MHz omnidirectional antenna
- Available in 5, 6, 8 and 11 dBi gain models
- 1° electrical downtilt available on the 11 dBi model
- Mounting hardware included
- UV stabilized fiberglass / stainless steel construction
- 18 in pigtail with type N female connector standard (6 dBi and 8 dBi models only)

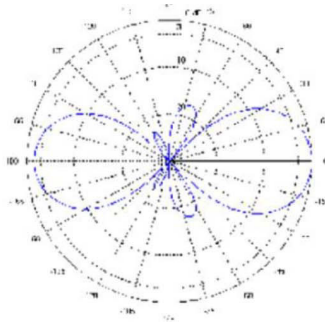
ELECTRICAL SPECIFICATIONS	OD9-5	OD9-6	OD9-8	OD9-11	OD9-11D1
VSWR	1.5:1	1.5:1	1.5:1	1.5:1	1.5:1
Impedance (Ohms)	50	50	50	50	50
Input Power (W)	100	100	100	100	100
Outer diameter mm (Inch)	25-51 (1-2)	25-51 (1- 2)	25-51 (1- 2)	25-51 (1- 2)	25-51 (1- 2)
Operating temperature (°C)	-45 to 70	-45 to 70	-45 to 70	-45 to 70	-45 to 70
Rated wind velocity mph (m/s)	125 (56)	125 (56)	125 (56)	125 (56)	125 (56)
Gain (dBi)	5	6	8	11	11
VSWR 1.5:1 bandwidth (MHz)	890-950	865-945	865-945	860-960	860-960
VSWR 2.0:1 bandwidth (MHz)	-	860-960	860-960	-	-
Vertical 3dB beamwidth (°)	36	16	10	7	7
Electrical downtilt	0	0	0	0	1

MECHANICAL SPECIFICATION	OD9-5	OD9-6	OD9-8	OD9-11	OD9-11D1
Dimensions - D x H - mm (inches)	38 x 610 (1.5 x 25.19)	38 x 1700 (1.5 x 66.93)	38 x 2600 (1.5 x 102.36)	38 x 3400 (1.5 x 133.86)	38 x 3400 (1.5 x 133.86)
Radome Material	UV Stabilized Fiberglass				

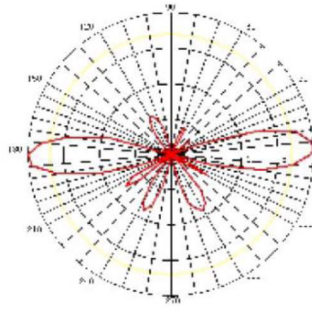
CONFIGURATION

PART NUMBER	DESCRIPTION	CABLE LENGTH	CONNECTOR
OD9-5	5 dBi Slimline NLOS Series 900 MHz Omni Antenna	N/A	N-Female bulkhead connector
OD9-6	6 dBi NLOS Series 900 MHz Omni Antenna	45.72 cm (18 in.)	N-Female connector
OD9-8	8 dBi NLOS Series 900 MHz Omni Antenna	45.72 cm (18 in.)	N-Female connector
OD9-11	11 dBi NLOS series 900 MHz Omni Antenna	N/A	N-Female connector
OD9-11D1	11 dBi 1° elec downtilt NLOS series 900 MHz omni antenna	N/A	N-Female connector

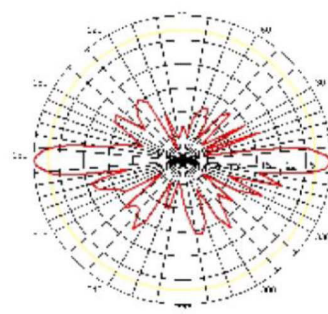
RADIATION PATTERNS



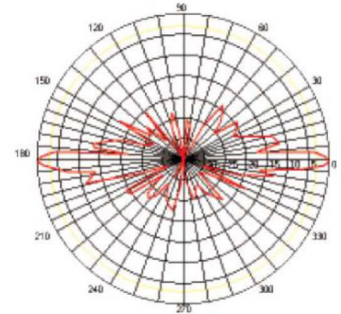
OD9-5



OD9-6



OD9-8



OD9-11D1

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