VERTICALLY POLARIZED OMNI ANTENNAS

OD9

860-960 MHZ VERTICALLY POLARIZED OMNI-DIRECTIONAL ANTENNA

The NLOS series omni-directional antenna system 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. 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

- 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

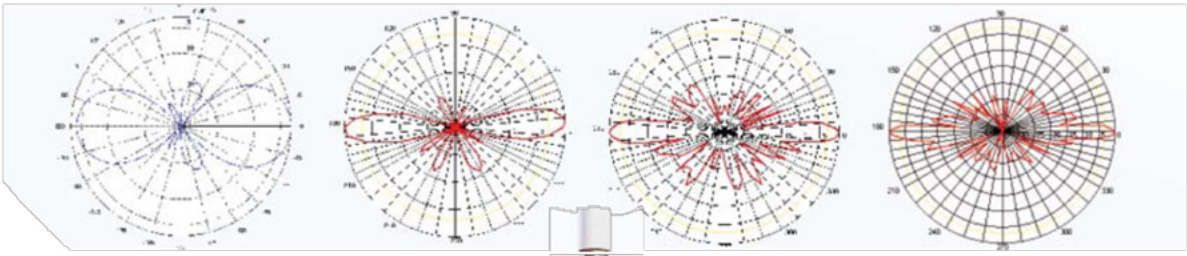
- 900 MHz ISM band applications
- WISP base station equipment
- Non line-of-sight applications
- Cellular applications

PARAMETER	OD9-5	OD9-6	OD9-8	OD9-11D1
VSWR	1.5:1	1.5:1	1.5:1	1.5:1
Impedance	50 ohm	50 ohm	50 ohm	50 ohm
Input power	100W	100W	100W	100W
Pole diameter (OD)	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
Rated wind velocity	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
VSWR 1.5:1 bandwidth	890-950 MHz	865-945 MHz	865-945 MHz	860-960 MHz
VSWR 2.0:1 bandwidth		860-960 MHz	860-960 MHz	
Vertical 3dB beamwidth	36°	16°	10°	7°

PARAMETER	OD9-5	OD9-6	OD9-8	OD9-11D1
Electrical downtilt	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)
Diameter	1.5 in (38 mm)	1.5 in (38 mm)	1.5 in (38 mm)	1.5 in (38 mm)
IP Rating	IP66	IP55	IP55	IP65

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



OD9-5 OD9-6 OD9-8 OD9-11D1

TE TECHNICAL SUPPORT CENTER

USA:	+1 (800) 522-6752
Canada:	+1 (905) 475-6222
Mexico:	+52 (0) 55-1106-0800
Latin/S. America:	+54 (0) 11-4733-2200
Germany:	+49 (0) 6251-133-1999
UK:	+44 (0) 800-267666
France:	+33 (0) 1-3420-8686
Netherlands:	+31 (0) 73-6246-999
China:	+86 (0) 400-820-6015

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