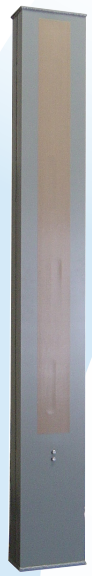
Laird TECHNOLOGIES

Innovative **Technology** for a **Connected** World

HORIZONTALLY POLARIZED OMNI ANTENNAS

ODH9



900-928 MHz HORIZONTALLY POLARIZED OMNIDIRECTIONAL ANTENNA

The NLOS series horizontally polarized omnidirectional antenna systems offered by Laird Technologies are constructed of a heavy duty aluminum extrusion and then powder coat painted for extremely long service life. The super heavy duty mounting system will insure a stable installation in high wind conditions. The antennas are horizontally polarized so that interference can be minimized in the wireless system.

FEATURES RoHS

- 900 MHz omnidirectional antenna
- 9 dBi gain
- Heavy duty aluminum extrusion with powder coat paint
- Type N female integrated connector standard

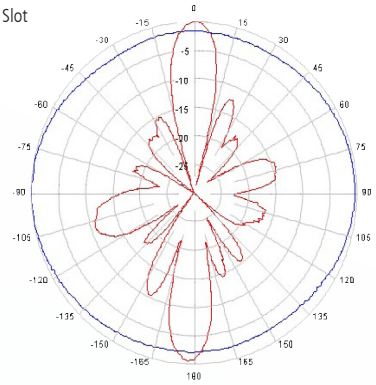
MARKETS

- 900 MHz ISM band applications
- WISP base station equipment
- Non line-of-sight applications
- Point-to-multipoint systems
- WiMAX

PARAMETER	
Frequency range	900 - 928 MHz
VSWR	1.5:1
Impedance	50 ohm
Input power	100 W
Pole diameter (OD)	1.5 - 3 in (38-76mm)
Gain	9 dBi
Horizontal beamwidth	360°
Vertical beamwidth	18°
Cross polarization rej	-22 dB
Operating temperature	-45 to +70°C
Weight	22 lbs (10 kg)
Dimensions (L x W x H)	62 x 8 x 2 in (1575 x 203 x 51 mm)

ANTENNA PATTERNS

900 MHz DS Slot
928 MHz

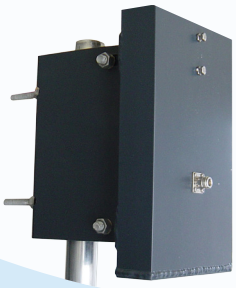


WIND LOADING

MODEL	SQ. IN	100 MPH	125 MPH
ODH9-9	496	124 lb	194 lb

SYSTEM ORDERING

ODH9-9 9 dBi 900 MHz horizontally polarized omnidirectional antenna



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