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

HORIZONTALLY POLARIZED OMNI ANTENNAS

ODH24-13

2400-2485 MHz HORIZONTALLY POLARIZED OMNI ANTENNAS

The horizontally polarized omnidirectional antenna systems offered by Laird Technologies are constructed of rigid aluminum extrusion which is powder coat painted. They feature integrated 50 ohm passive feeds that come standard with type N female connectors. Horizontally polarized antennas offer the user great rejection of interference if that interference is vertically polarized, as is the case in most WLAN systems.

FEATURES RoHS

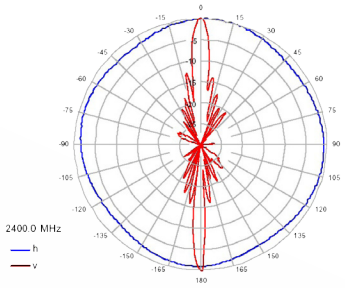
- Horizontally polarized
- 13 dBi antenna gain
- Type N female integrated connector
- Extremely rugged for long service life in extreme environments
- Weatherproof

MARKETS

- 2.4 GHz ISM band applications
- 802.11b and 802.11g wireless systems
- Point-to-multi-point systems
- Base station antennas
- Wireless broadband systems
- WLAN access points
- WiMAX

PARAMETER	ODH24-13
Frequency range	2400 - 2485 MHz
Input return loss (S11)	-14 dB
VSWR	1.5:1
Impedance	50 ohm
Input power	100 W
Pole diameter (OD)	2 - 2.5 in (50-60 mm)
Gain	13 dBi
Vertical beamwidth	7°
Cross polarization rejection	-27 dB
Operating temperature	-40 to +70°C
Down tilt (mechanical)	10°
Wind loading - 100 mph	63 lbf
140 mph	124 lbf
100 mph: 1/2" radial ice	80 lbf
Weight	9 lbs (4.8 kg)
Dimensions (L +/- 1.0 in)	49 x 4 x 1 in (124 x 10 x 2.5 cm)

ANTENNA PATTERNS



ODH24-13

SYSTEM ORDERING

ODH24-13 13 dBi 2.4 GHz horizontally polarized omnidirectional antenna

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