



HORIZONTALLY POLARIZED OMNI ANTENNAS

ODH24-13

2400-2485 MHZ HORIZONTALLY POLARIZED OMNI ANTENNAS

The horizontally polarized omnidirectional antenna systems offered by Laird 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

- 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

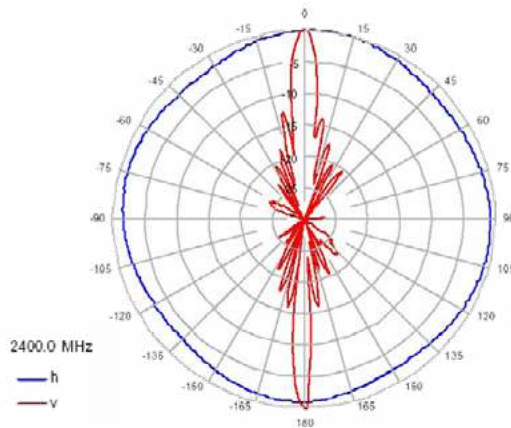
| PARAMETER | ODH24-13 |
|------------------------------|-----------------------|
| Frequency range | 2400 - 2485 MHz |
| Input return loss (S11) | -14 dB |
| VSWR | 1.5:1 |
| Impedance | 50 ohm |
| Input power | 100 W |
| Pole diameter (OD) | 2 - 2.5 in (50-60 mm) |
| Gain | 13 dBi |
| Vertical beamwidth | 7° |
| Cross polarization rejection | -27 dB |
| Operating temperature | -40 to +70°C |
| Down tilt (mechanical) | 10° |

| PARAMETER | ODH24-13 |
|---------------------------|-----------------------------------|
| 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) |

SYSTEM ORDERING

ODH24-13 13 dBi 2.4 GHz horizontally polarized omnidirectional antenna

ANTENNA PATTERNS



TE TECHNICAL SUPPORT CENTER

| | |
|-------------------|-----------------------|
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