

Horizontally Polarized Omni Directional Antennas

2400 to 2485 MHz Operation

Features

- 9 and 13 dB Antenna Gain
- Type N Female Integrated Connector
- Extremely Rugged for long service life in extreme environments
- Weatherproof

Applications

- 2.4 GHz ISM Band Applications
- 802.11b and 802.11g Wireless Systems
- Point to Multi-point Systems
- Base Station Antennas
- Wireless Broadband Systems



Description

The Horizontally Polarized Omni-Directional antenna systems offered by RF Linx Corporation 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.

Specifications

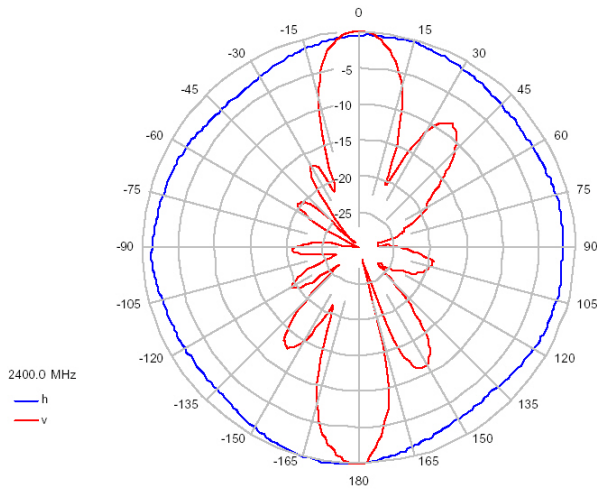
Parameter	Min	Type	Max	Units
<i>Frequency Range</i>	2400		2485	MHz
<i>Input Return Loss (S₁₁)</i>		-14		dB
<i>VSWR</i>		1.5:1		
<i>Impedance</i>		50		OHM
<i>Input Power</i>			100	W
<i>Pole Diameter (OD)</i>	2 (50)		2.5 (60)	Inch (mm)
<i>Operating Temperature</i>	-40		+70	Deg C

*Note: RF Linx Corporation does not supply the mounting pole.

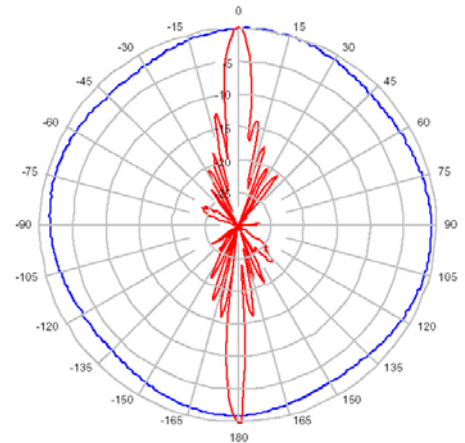
2400 – 2485 MHZ	RFL-ODH-24-9	RFL-ODH-24-13
<i>Gain</i>	9dBi	13dBi
<i>Vertical Beam Width</i>	20deg	7 deg
<i>Cross Polarization Rejection</i>	-29dB	-27dB
<i>Downtilt</i>	10 Deg Mech	10 Deg Mech
<i>Wind Loading</i>		
100MPH	25 lbf	63 lbf
140MPH	48 lbf	124 lbf
100MPH: ½" Radial Ice	34 lbf	80 lbf
<i>Weight</i>	6 Lbs (2.7Kg)	9 Lbs (4.8Kg)
<i>Dimension (L +/-1.0")</i>	27" x 4" x 1" (69 x 10 x 2.5 cm)	49" x 4" x 1" (124 x 10 x 2.5 cm)



Antenna Patterns at 2.4GHz



9dB Antenna Pattern



13dB Antenna Pattern

System Ordering: RFL-ODH-24-

Antenna Gain

9 = 9dBi

13 = 13dBi



For further information contact:

