



RFL-OD-24 DATA SHEET

Omni Directional Antennas 2400 to 2485 MHz Operation

Features

- 9 and 12 dB Antenna Gain
- 12dB has 3 Deg Electrical Down Tilt Standard
- Type N Female Integrated Connector
- 12dB has optional 24" Pigtail with N Male or N Female Connector
- Rugged, Lightweight and Waterproof

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



9dB Omni

Description

The Omni Directional antenna systems offered by RF Linx Corporation are constructed of UV-stable fiberglass. They feature 50 ohm passive feeds that come standard with type N female connectors. The 12dB has a 3 Deg Electrical Down Tilt standard. It also has 24" pigtail option with N Female or N Male connectors for direct connection to outdoor access points. They can be used in a wide variety of wireless 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>	1 25		2 50	inch mm
<i>Operating Temperature</i>	-40		+70	Deg C

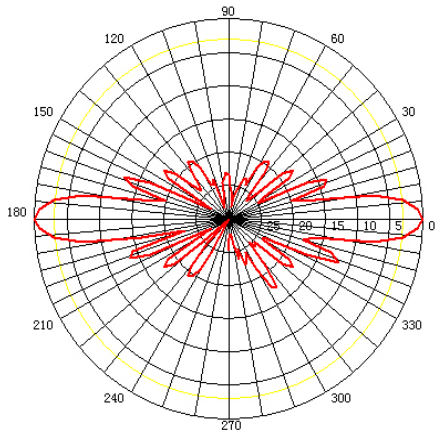
*Note: RF Linx Corporation does not supply the mounting pole.

2400 – 2485 MHZ	RFL-OD-24-9	RFL-OD-24-12
<i>Gain</i>	9dBi	12dBi
<i>Vertical Beam Width</i>	14deg	7 deg
<i>Electrical Downtilt</i>	-	3 deg
<i>Rated Wind Velocity</i>	125mph (56 M/sec)	125mph (56 M/sec)
<i>Weight</i>	1.1 Lbs (0.5Kg)	1.4 Lbs (0.6Kg)
<i>Dimension (L +/-1.0")</i> Diameter Approx. 0.6" (15mm)	31.5" (80cm)	48" (122cm)

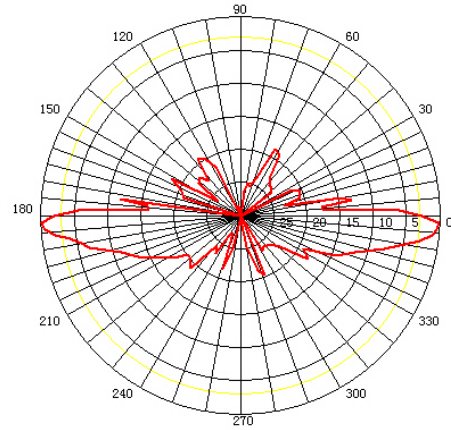


12dB Omni

Antenna Patterns at 2.45GHz



9dB Vertical Antenna Pattern – E Plane



12dB Vertical Antenna Pattern – E Plane

System Ordering: RFL-OD-24-

Antenna Gain
 9 = 9dBi
 12 = 12dBi

Connector Options – (12dB Only)
 Blank = N Female Integrated Connector
 P = 24" Pigtail with N Male
 PF = 24" Pigtail with N Female

For further information contact:

