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

VERTICALLY POLARIZED OMNI ANTENNAS

OD58-12

5470-5850 MHz VERTICALLY POLARIZED OMNIDIRECTIONAL ANTENNA

The 5 GHz omnidirectional antenna systems offered by Laird Technologies are constructed of UV-stable fiberglass with all stainless steel brackets standard. They have type N female bulkhead connectors. N male connectors also available for mounting directly to equipment. The horizontal pattern is a full 360 degrees with gain flatness better than 2 dB. The antennas are vented at the base to prevent any moisture build-up inside. Antennas are DC grounded for lightning protection.

FEATURES RoHS

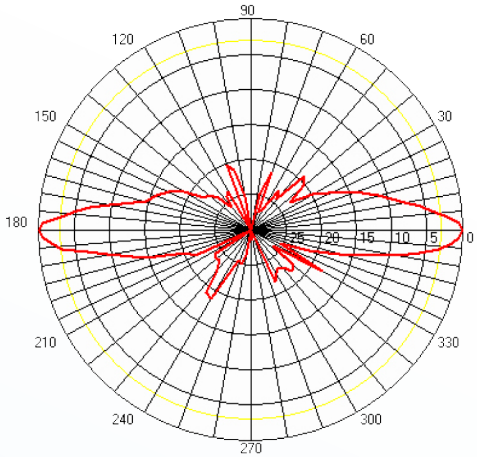
- 12 dBi antenna gain
- Type N female integrated bulkhead connector
- Rugged, lightweight, and waterproof
- Also available with N male connector
- All stainless steel bracket for better corrosion protection
- Extra wide strap and larger diameter base for better stability
- Extended connector shroud and extended length N connector for easier/more reliable weatherproofing

MARKETS

- 5.4 to 5.8 GHz ISM band applications
- Base station antennas
- 802.11a wireless systems
- Point-to-multi-point systems
- Wireless broadband systems
- WLAN access points
- Mesh networks
- WiMAX

PARAMETER	
Frequency range	5470-5850 MHz
VSWR	1.5:1
Impedance	50 ohm
Input power	100 W
Pole diameter (OD)	1 - 2 in (25 - 51 mm)
Operating temperature	-40 to +70°C
Gain	12 dBi
Vertical beamwidth	7°
Rated wind velocity	125 mph (56 m/sec)
Weight	1.1 lbs (0.5kg)
Length +/- 1.0 in	27.5 in (700 mm)
Diameter	0.8 in (20 mm)

ANTENNA PATTERN



WIND LOADING

MODEL	100 MPH	125 MPH
OD58-12	8.75 lb	13.7 lb

SYSTEM ORDERING

OD58-12	12 dBi 5470 - 5850 Mhz wide-band omnidirectional antenna
OD58M-12	12 dBi 5470 - 5850 Mhz wide-band omnidirectional antenna with N male connector

global solutions: local support™

Americas: +1.847 839.6907
IAS-AmericasEastSales@lairdtech.com

Europe: +1.32.80.7866.12
IAS-EUSales@lairdtech.com

Asia: +1.65.6.243.8022
IAS-AsiaSales@lairdtech.com

www.lairdtech.com

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