



5470-5850 MHz VERTICALLY POLARIZED OMNIDIRECTIONAL ANTENNA

The 5 GHz omnidirectional antenna systems offered by Laird 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

- 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)

WIND LOADING

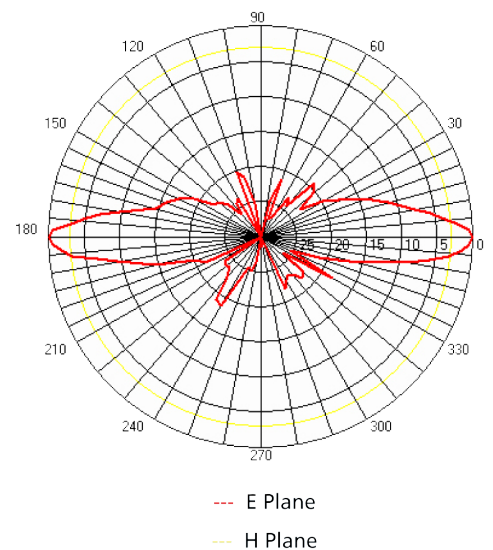
MODEL	100 MPH	125 MPH
OD58-12	8.75 lb	13.7 lb

SYSTEM ORDERING

OD58-12	12 dBi 5470 - 5850 Mhz wide-band omnidirectional antenna
OD58M-1	12 dBi 5470 - 5850 Mhz wide-band omnidirectional antenna with N male connector

2

ANTENNA PATTERN



ANT-DS-OD58-12_0115

Any information furnished by Laird Inc. and its agents is believed to be accurate and reliable. All specifications are subject to change without notice. Responsibility for the use and application of Laird materials rests with the end user, since Laird and its agents cannot be aware of all potential uses. Laird makes no warranties as to the fitness, merchantability or suitability of any Laird materials or products for any specific or general uses. Laird shall not be liable for incidental or consequential damages of any kind. All Laird products are sold pursuant to the Laird Terms and Conditions of sale in effect from time to time, a copy of which will be furnished upon request. © Copyright 2015 Laird Inc. All Rights Reserved. Laird, Laird Technologies, the Laird Logo, and other marks are trade marks or registered trade marks of Laird Inc. or an affiliate company thereof. Other product or service names may be the property of third parties. Nothing herein provides a license under any Laird or any third party intellectual property rights.