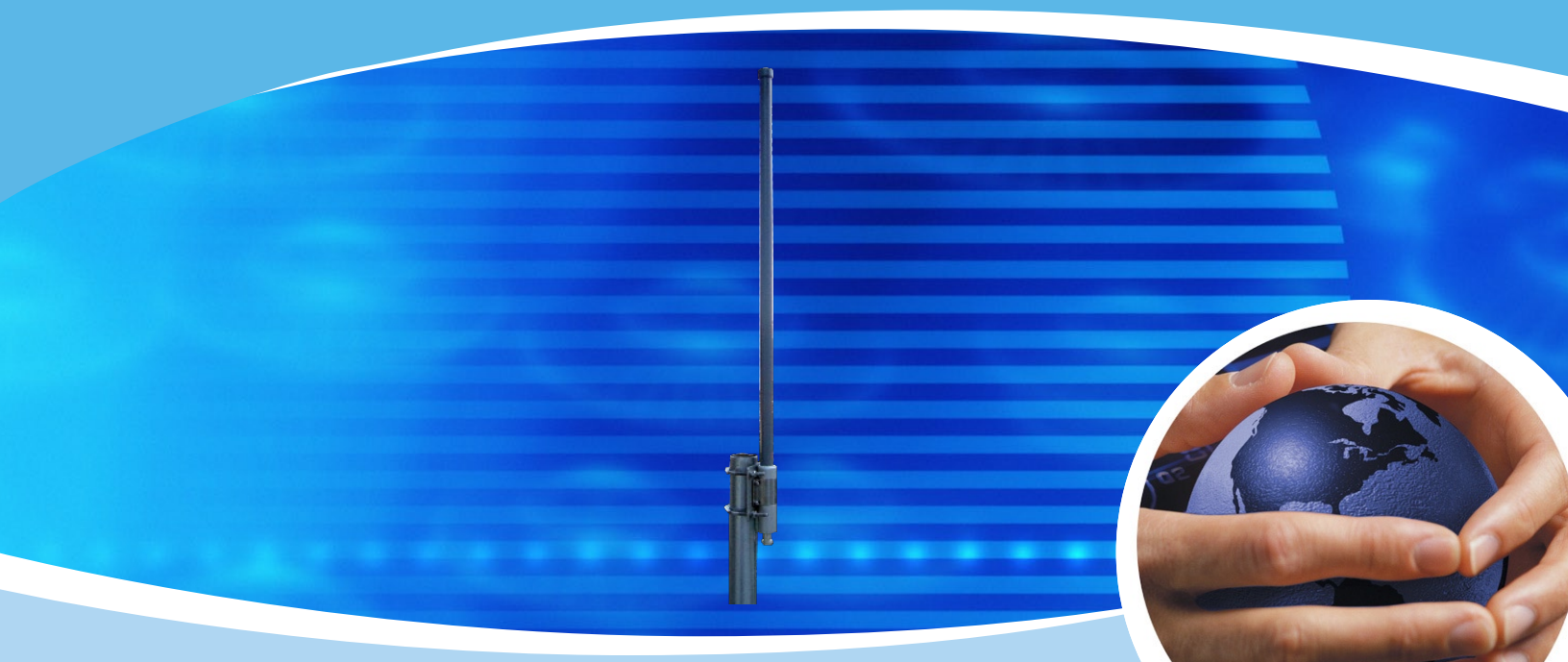
OD58-12



global solutions :
local support™

Vertically Polarized Omni Antennas
5470 to 5850 MHz Operation

The 5GHz omni-directional 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 2dB. The antennas are vented at the base to prevent any moisture build-up inside. Antennas are DC grounded for lightning protection.

Features and Benefits:

- 12 dBi antenna gain
- Type N female integrated bulkhead connector
- Rugged, lightweight and waterproof
- Also available with N male connector

Applications

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

For sales information:
Telephone 801-572-3024
E-Mail sales@pacwireless.com

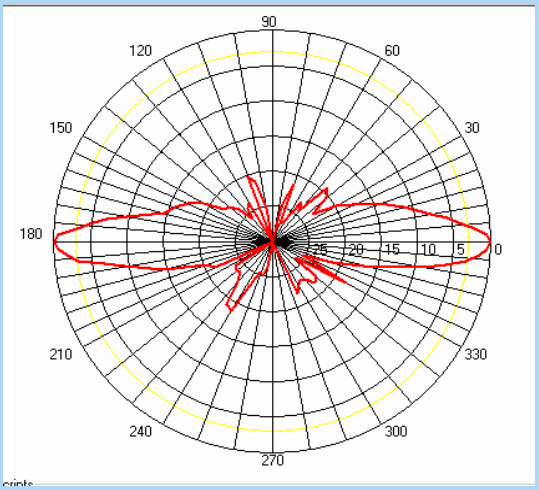
or visit: **www.pacwireless.com**

OD58-12

Specifications

Parameter	Min	Typ	Max	Units
Frequency Range	5470		5850	MHz
VSWR		1.5:1		
Impedance		50		OHM
Input Power			100	W
Pole Diameter (OD)	1 25		2 50	mm inch
Operating Temperature	-40		+70	Deg C
Gain	12dBi			
Vertical Beam Width	7 deg			
Rated Wind Velocity	125mph (56 M/sec)			
Weight	1.1 Lbs (0.5Kg)			
Dimension (L +/-1.0") Diameter Approx. 0.8" (20mm)	27.5" (700mm)			

Antenna Patterns at 5GHz



12dBi Antenna Pattern

--- E Plane

— H Plane

Special Features

- All stainless steel bracket for better corrosion protection
- Extra wide strap and larger diameter base for better stability
- Extended connector shroud for better weatherproofing
- Extended length N connector for easier/more reliable weatherproofing

Wind Loading (Lbs.)

Model	100MPH	125MPH
OD58-12	8.75	13.7

System Ordering:

OD58-12	12dBi 5470-5850Mhz wideband omni-directional antenna
OD58M-12	12dBi 5470-5850Mhz wideband omni-directional antenna with N male connector

Notes:

- All shipments F.O.B. Bluffdale, UT 84065
- All antennas carry a 2 Year Warranty

RoHS compliant