



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Smart Technology. Delivered.

# VERTICALLY POLARIZED OMNI ANTENNAS

## OD58-12



### 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

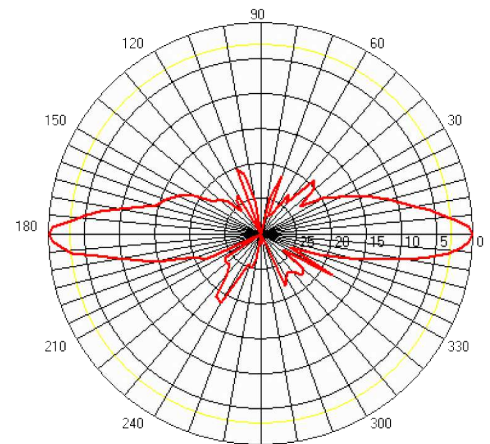
MODEL	100 MPH	125 MPH
OD58-12	8.75 lb	13.7 lb

#### 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

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#### ANTENNA PATTERN



--- E Plane

--- H Plane



ANT-DS-OD58-12\_0115

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