



The Mesh Series™ omnidirectional antenna systems offered by Laird are designed with mesh networking in mind. With their waterproof N male connector they can be easily mounted to an enclosure like the die-cast enclosure (DCE-7x6x2) to give total wireless coverage. Various gains and frequencies are available. They are constructed of UV resistant materials and are waterproof for a long service life.

FEATURES AND BENEFITS

- Mesh networking vertically polarized omni-directionals
- Various gains available: 5dBi to 12dBi
- Various frequencies available: 2.4GHz 3.5GHz, 4.9GHz, 5GHz, also tri-band model
- Type N male integrated connector Rugged, lightweight, and waterproof

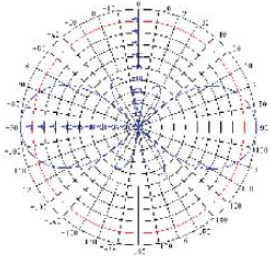
ELECTRICAL SPECIFICATIONS	OD24M-5	OD24M-7	OD24M-9	OD24M-12	OD35M-10	OD49M-6	OD49M-11	OD5WM6	OD58M-12
Operating Frequency (MHz)	2400-2485	2400-2485	2400-2485	2400-2485	3400-3600	4940-4990	4940-4990	5150-5850	5400-5850
Gain (dBi)	5	7	9	12	10	6	11	6	12
Vertical Bandwidth (°)	25	18	14	7	14	30	5	8.5	7
VSWR	1.5:1								
Impedance (Ohms)	50								
Input Power	10								
Rate wind velocity m/sec (mph)	56 (125)								
Operating temperature (°C)	-40 - +70								

MECHANICAL SPECIFICATIONS	OD24M-5	OD24M-7	OD24M-9	OD24M-12	OD35M-10	OD49M-6	OD49M-11	OD5WM6	OD58M-12
Dimensions – diameter x height – mm (inches)	15 x 355 (0.6 x 12)	15 x 540 (0.6 x 21)	15 x 690 (0.6 x 27)	15 x 1220 (0.6 x 48)	15 x 690 (0.6 x 27)	13 x 175 (0.5 x 7)	15 x 787 ()	15 x 483	15 x 700
Weight – kg (lbs.)	.2 (.5)	.3 (.6)	.4 (.8)	.6 (1.4)	.5 (1.1)	.043 (1.5)	.5 (1.1)	.14 (.3125)	.5 (.65)

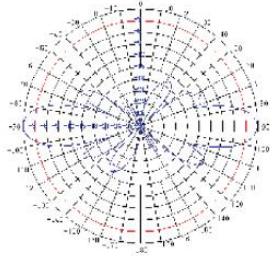
CONFIGURATION

MODEL	DESCRIPTION
OD24M-5	2400-2485 MHz Omnidirectional Antenna
OD24M-7	2400-2485 MHz Omnidirectional Antenna
OD24M-9	2400-2485 MHz Omnidirectional Antenna
OD24M-12	2400-2485 MHz Omnidirectional Antenna
OD35M-10	3400-3600 MHz Omnidirectional Antenna
OD49M-6	4940-4990 MHz Omnidirectional Antenna
OD49M-11	4940-4990 MHz Omnidirectional Antenna
OD5WM6	5150-5850 MHz Omnidirectional Antenna
OD58M-12	5400-5850 MHz Omnidirectional Antenna

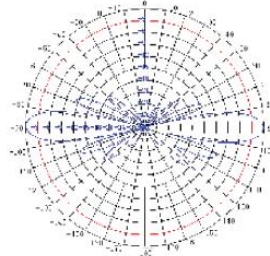
ANTENNA PATTERN



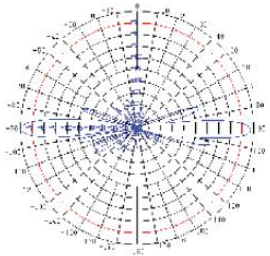
OD24M-5 E-Plane



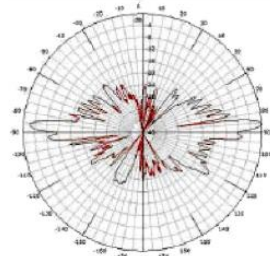
OD24M-7 E-Plane



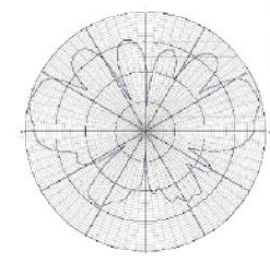
OD24M-9 E-Plane



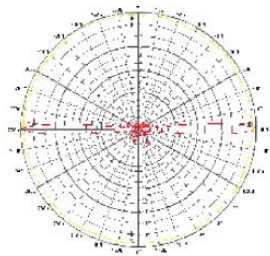
OD24M-12 E-Plane



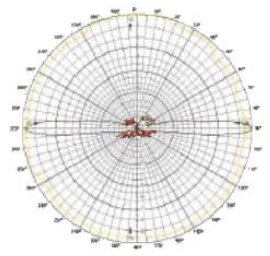
OD49M-11D1 E-Plane



OD49M-6 E-Plane



OD58M-12



OD5WM-6

SYSTEM ORDERING

OD ___ M- ___

24 = 2400 to 2485 MHz 35 = 3400 to 3600 MHz
49 = 4940 to 4990 MHz 58 = 5400 to 5858 MHz
5W = 5150 to 5850 MHz

Gain
5 = 5dBi
12 = 12dBi

Americas: +1.847.839.6925
IAS-AmericasSales@lairdtech.com
Europe: +44.1628.858941
IAS-EUSales@lairdtech.com
Asia: IAS-AsiaSales@lairdtech.com
Middle East and Africa:
+44.1628.858941
IAS-MEAUSales@lairdtech.com
<https://connectivity.lairdtech.com>

RoHS

Laird warrants to the original end user customer of its products that its products are free from defects in material and workmanship. Subject to conditions and limitations Laird will, at its option, either repair or replace any part of its products that prove defective because of improper workmanship or materials. This limited warranty is in force for the useful lifetime of the original end product into which the Laird product is installed. Useful lifetime of the original end product may vary but is not to exceed five (5) years from the original date of the end product purchase.

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 2018 Laird Inc. All Rights Reserved. Laird, Laird Technologies, the Laird Logo, and other marks are trademarks or registered trademarks 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.

