MESH SERIES™

Omnidirectional Antennas
2400 MHz- 5850 MHz



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

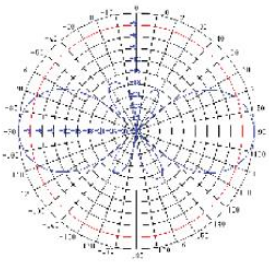
ELECTRICAL SPECIFICATIONS	OD24M-5	OD24M-7	OD24M-9	OD24M-12	OD35M-10	OD49M-6	OD49M-11	OD5WM6	OD58M-12
Operating Frequency (MHz)	2400-2485	2400-2485	2400-2485	2400-2485	3400-3600	4940-4990	4940-4990	5150-5850	5400-5850
Gain (dBi)	5	7	9	12	10	6	11	6	12
Vertical Bandwidth (°)	25	18	14	7	14	30	5	8.5	7
VSWR	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)

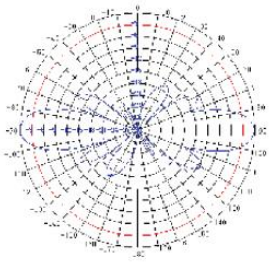
CONFIGURATION

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

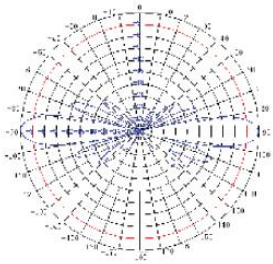
ANTENNA PATTERN



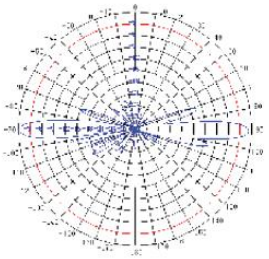
OD24M-5 E-Plane



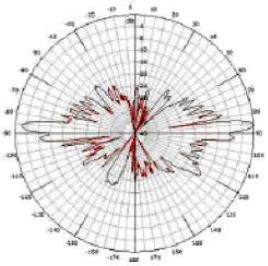
OD24M-7 E-Plane



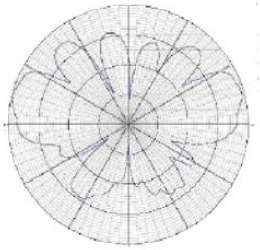
OD24M-9 E-Plane



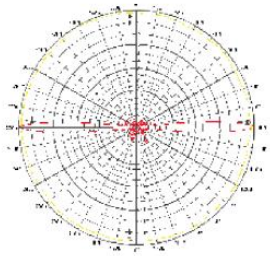
OD24M-12 E-Plane



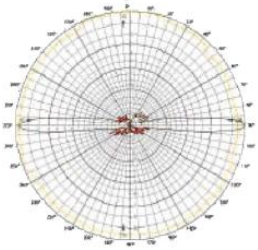
OD49M-11D1 E-Plane



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

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RoHS

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