



Mesh Series™

Omni Antennas ODxxM

2.4-5.85 GHz VERTICALLY POLARIZED OMNIDIRECTIONAL ANTENNA

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

- 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

MARKETS

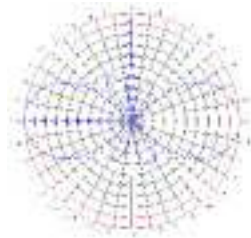
- Mesh networking applications
- 2 to 6 GHz wireless applications
- Point to multi-point systems
- Base station antennas
- WiFi access points
- WiMax base stations

PARAMETER

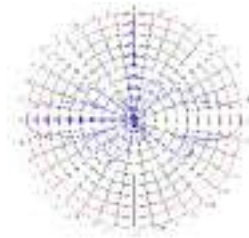
VSWR	1.5:1
Impedance	50 ohm
Input power	10W
Rate wind velocity	125 mph (56 m/sec)
Operating temperature	-40 - +70°C

MODEL	FREQ. (MHz)	GAIN	VERT BW	WEIGHT	DIM (L X DIA)
OD24M-5	2400-2485	5dBi	25°	0.5 lbs (0.2 kg)	12 x 0.6 in (355 x 15 mm)
OD24M-7	2400-2485	7dBi	18°	0.6 lbs (0.3 kg)	21 x 0.6 in (540 x 15 mm)
OD24M-9	2400-2485	9dBi	14°	0.8 lbs (0.4 kg)	27 x 0.6 in (690 x 15 mm)
OD24M-12	2400-2485	12dBi	7°	1.4 lbs (0.6 kg)	48 x 0.6 in (1220 x 15 mm)
OD35M-10	3400-3600	10dBi	14°	1.1 lbs (0.5 kg)	27 x 0.6 in (690 x 15 mm)
OD49M-6	4940-4990	6dBi	30°	1.5 oz (43 g)	7 x 0.5 in (175 x 13 mm)
OD49M-11	4940-4990	11dBi	5°	1.1 lbs (0.5 kg)	31 x 0.6 in (787 x 15 mm)
OD5WM6	5150-5850	6dBi	8.5°	5 oz (0.14 kg)	19 x 0.6 in (483 x 15 mm)
OD58M-12	5400-5850	12dBi	7°	0.65 lbs (0.5 kg)	27.5 x 0.6 in (700 x 15 mm)

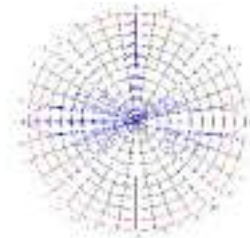
ANTENNA PATTERNS



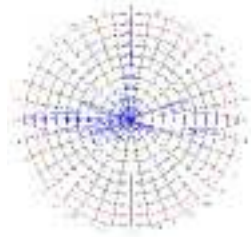
OD24M-5 E-Plane



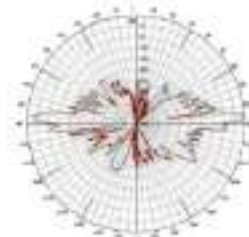
OD24M-7 E-Plane



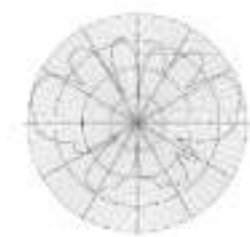
OD24M-9 E-Plane



OD24M-12 E-Plane



OD49M-11D1 E-Plane



OD49M-6 E-Plane



OD58M-12



OD5WM-6

SYSTEM ORDERING

OD _ _ M- _ _

Frequency

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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TE TECHNICAL SUPPORT CENTER

USA:	+1 (800) 522-6752
Canada:	+1 (905) 475-6222
Mexico:	+52 (0) 55-1106-0800
Latin/S. America:	+54 (0) 11-4733-2200
Germany:	+49 (0) 6251-133-1999
UK:	+44 (0) 800-267666
France:	+33 (0) 1-3420-8686
Netherlands:	+31 (0) 73-6246-999
China:	+86 (0) 400-820-6015