



Mesh Series™ Vertically Polarized Omni 2.4GHz to 5.85GHz

Features

- Mesh Networking Vertically Polarized Omnidirectionals
- 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

Applications

- Mesh Networking Applications
- 2 to 6 GHz wireless applications
- Point to Multi-point Systems
- Base Station Antennas
- WiFi Access Points
- Wimax Base Stations



Description

The Mesh Series™ Omni Directional antenna systems offered by Pacific Wireless are designed with Mesh Networking in mind. With their waterproof N Male connector they can be easily mounted to an enclosure like the Pacific Wireless Die Cast Enclosure 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.

Specifications

Parameter	Min	Typ	Max	Units
<i>VSWR</i>		1.5:1		
<i>Impedance</i>		50		OHM
<i>Input Power</i>			10	W
<i>Rated Wind Velocity</i>			125 (56)	mph (m/sec)
<i>Operating Temperature</i>	-40		+70	Deg C



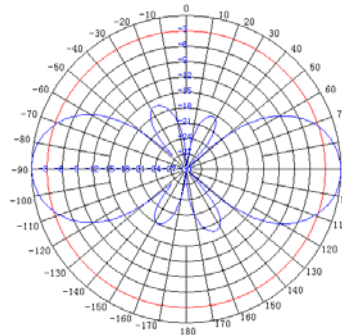
OD5WM-6
Wide Band
Mesh Omni



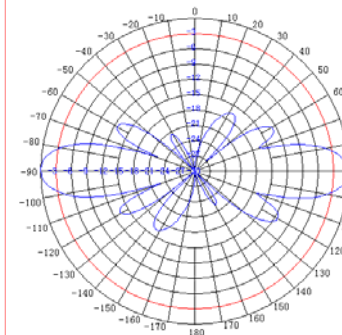
Typical Application
PAW-DCE with Mesh Omni

Μοδελ	Frequency (MHz)	Gain	Vert BW	Weight	Dim (L x dia)
OD24M-5	2400-2485	5dBi	25 deg	0.5 lbs (0.2kg)	12x0.6" (355x15mm)
OD24M-7	2400-2485	7dBi	18 deg	0.6 lbs (0.3kg)	21x0.6" (540x15mm)
OD24M-9	2400-2485	9dBi	14 deg	0.8 Lbs (0.4kg)	27x0.6" (690x15mm)
OD24M-12	2400-2485	12dBi	7 deg	1.4 Lbs (0.6kg)	48x0.6" (1220x15mm)
OD35M-10	3400-3600	10dBi	14 deg	1.1 Lbs (0.5kg)	27x0.6" (690x15mm)
OD49M-6	4940-4990	6dBi	30 deg	1.5oz (43g)	7x 0.5" (175x13mm)
OD49M-11	4940-4990	11dBi	5 deg	1.1 Lbs (0.5kg)	31x0.6" (787x15mm)
OD5WM-6	5150-5850	6dBi	8.5 deg	5oz (0.14kg)	19x0.6" (483x15mm)
OD58M-12	5400-5850	12dBi	7 deg	.65 Lbs (0.5kg)	27.5x0.6" (700x15mm)
RD2458-5-NM	2400-2485,5150-5350,5725-5850	2dBi@2.4 5dBi@5.8	120 deg	1.6oz (45.4g)	7.6x0.5" (193 x 12.7mm)

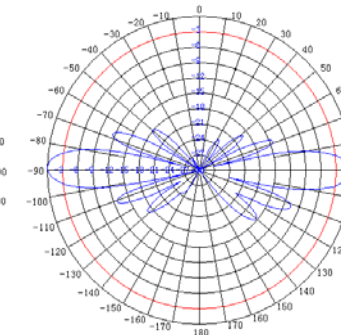
Antenna Patterns



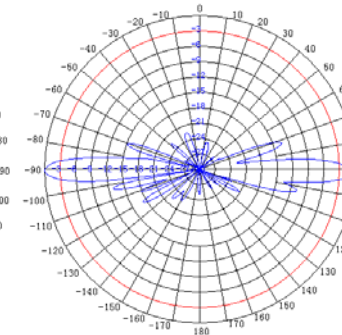
OD24M-5 E-Plane



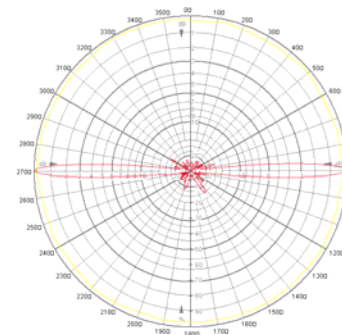
OD24M-7 E-Plane



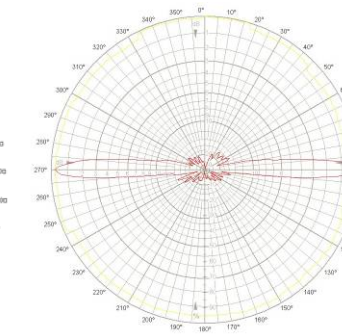
OD24M-9 E-Plane



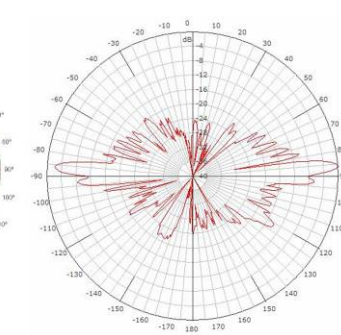
OD24M-12 E-Plane



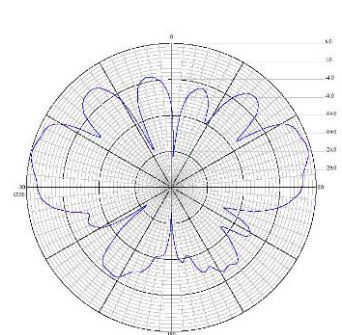
OD58M-12



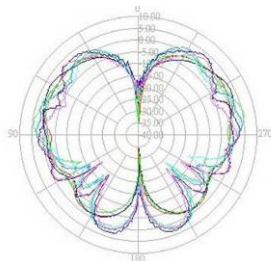
OD5WM-6



OD49M-11D1 E-Plane



OD49M-6 E-Plane



RD2458-5-NM E-Plane

Notes:

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

System Ordering: OD□□M-□

Frequency

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

Antenna Gain

- 5 = 5dBi
- 12 = 12dBi
- Etc.

Suggested Accessory



New N Female extended Bulkhead to SMA Female adapter for mounting a Mesh Omni in an enclosure #AD-NFB-SMAF

* RD2458-5-NM 5dBi 2400,5300,5800MHz Tri Band Rubber Duck

For further information contact:



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