



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 |
|------------------------------|-----|-------|----------|-------------|
| VSWR | | 1.5:1 | | |
| Impedance | | 50 | | OHM |
| Input Power | | | 10 | W |
| Rated Wind Velocity | | | 125 (56) | mph (m/sec) |
| Operating Temperature | -40 | | +70 | Deg C |



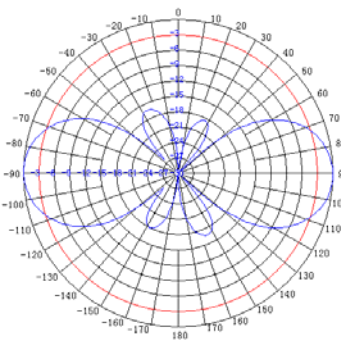
OD5WM-6
Wide Band
Mesh Omni



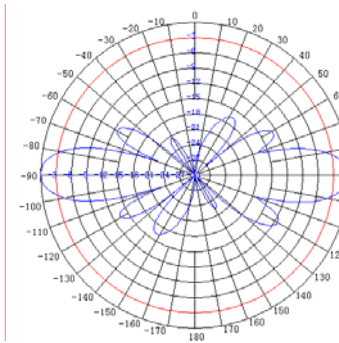
Typical Application
PAW-DCE with Mesh Omni

| Model | 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) |

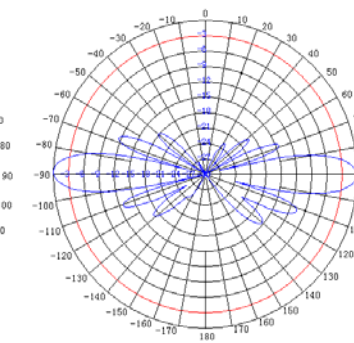
Antenna Patterns



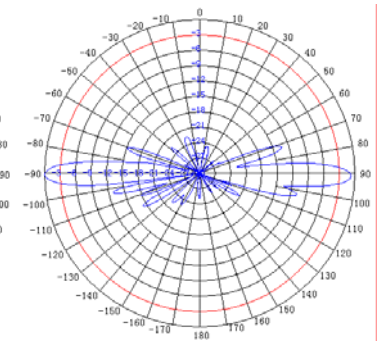
OD24M-5 E-Plane



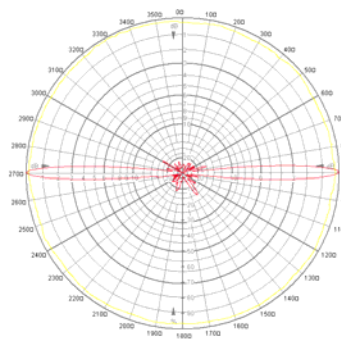
OD24M-7 E-Plane



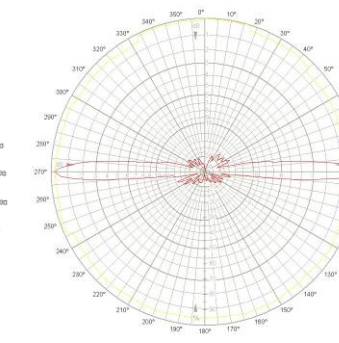
OD24M-9 E-Plane



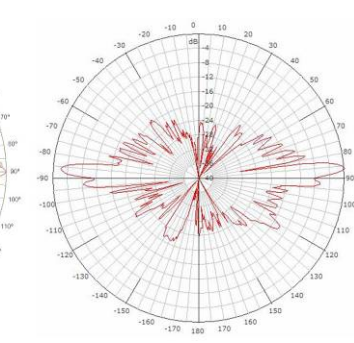
OD24M-12 E-Plane



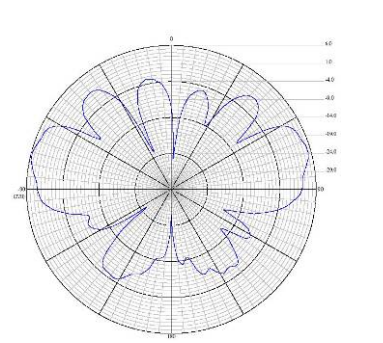
OD58M-12



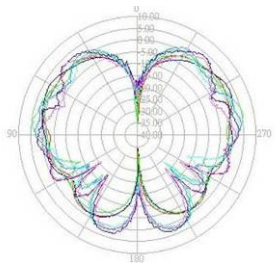
OD5WM-6



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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