



These antennas are extreme environment versions of our popular OD Series Antennas.

The MOD Series are special Marine/Sea Water resistant antennas with external metal fittings specially protected for the typical sea or harbor environment. The mount assembly and the base of the antenna are powder coated, with other mounting hardware being stainless steel.

For very high vibration environments (mining, quarry and oil field construction) the OD-MOD2 series provides a viable solution for a wide area network.

The feed assembly is made of machined aluminum components and is anodized for weather protection.

Both series are colinear arrays and provide uniform omni-directional coverage. Unique phasing cancels out-of-phase current distribution, improving performance.

## Omni-directional, High Vibration & Marine, 2.4 GHz

- Uniform omni-directional coverage
- Marine versions provide powder coat finish with stainless steel hardware
- High vibration models have conformal foam dampening for heavy mining & construction

| Model #                                                                         | Frequency                | Gain   |
|---------------------------------------------------------------------------------|--------------------------|--------|
| <b>High Vibration Products</b>                                                  |                          |        |
| OD3-2400MOD2-BLK                                                                | 2400-2485                | 3 dBi  |
| OD6-2400MOD2-BLK                                                                | 2400-2485                | 6 dBi  |
| OD9-2400MOD2-BLK                                                                | 2400-2485                | 9 dBi  |
| OD5-2400/5500MOD2-BLK                                                           | 2400-2485<br>& 5150-5925 | 5 dBi  |
| <b>Marine</b>                                                                   |                          |        |
| MOD3-2400-WHT                                                                   | 2400-2485                | 3 dBi  |
| MOD6-2400-WHT                                                                   | 2400-2485                | 6 dBi  |
| MOD9-2400-WHT                                                                   | 2400-2485                | 9 dBi  |
| MOD12-2400-WHT                                                                  | 2400-2485                | 12 dBi |
| <b>Color options available for the OD-MOD2 series</b><br>WHT-White or BLK-Black |                          |        |
| OD-WMK                                                                          | Wall Mount Bracket       |        |

| Specifications                    |                                                                 |                      |                                                   |
|-----------------------------------|-----------------------------------------------------------------|----------------------|---------------------------------------------------|
| Frequency & Gain:                 | See above                                                       | Mounting Dimensions: | Mast up to 2.5" D (64mm)                          |
| VSWR:                             | 2:1 max over band                                               | Antenna Diameter:    | 1" (25 mm)                                        |
| Nominal Impedance:                | 50 ohms                                                         | Length/Weight:       |                                                   |
| Max. Power (continuous):          | 100 watts                                                       | 2400/5500 Model      | 13", 2.5 lbs (33 cm, 1.1 kg)                      |
| Vertical Beamwidth (-3 dB point): |                                                                 | 3 dBi Models         | 14", 1.5 lbs (36 cm, 0.7 kg)                      |
| 3 dBi Models                      | 55 degrees                                                      | 6 dBi Models         | 17", 1.5 lbs (43 cm, 0.7 kg)                      |
| 6 dBi Models                      | 25 degrees                                                      | 9 dBi Models         | 29", 2.0 lbs (74 cm, 0.9 kg)                      |
| 9 dBi Models                      | 14 degrees                                                      | 12 dBi Model         | 41", 2.5 lbs (104 cm, 1.1 kg)                     |
| 12 dBi Model                      | 7 degrees                                                       | Material:            |                                                   |
| 2400/5500 Model                   | 22° at 2.4 GHz, 30° at 5 GHz                                    | MOD Marine Series    | White Fiberglass radome with Powder Coat aluminum |
| Rated Wind Velocity:              | 120+mph (200+kph)                                               | OD-MOD2 Series       | Black or white fiberglass with anodized aluminum  |
| Operating Temp:                   | -40° to +85° C                                                  | Shock & Vibration:   | EN 300 019-2-4, IEC 60068                         |
| Lightning Protection:             | External suggested                                              | Water Ingress:       | IPx5                                              |
| Connector:                        | N female connector                                              |                      |                                                   |
| Mounting Kit:                     | Mast mount kit included<br>Wall Mount Bracket Optional (OD-WMK) |                      |                                                   |