

Mast Mount Omnidirectional (MMO) Antennas

The MMO series base antenna provides outstanding coverage in a rugged U.V. stable, plastic radome with an aluminum base that is ideal for indoor or outdoor applications.

Features

- The MMO24005PTRPC provides a broad elevation pattern antenna radiation pattern that has been shaped to direct energy where it is needed, while suppressing the misdirected upper and lower sidelobe energy.
- Pipe mount is included for added convenience.
- Multiple band coverage supports 2.4 GHz and 5.15-5.8 GHz broadband networks, eliminating the need for a second or third antenna in POP locations where mounting space is limited or costly. (MMO24580608 model).
- Optimized elevation pattern, minimizes misdirected energy by suppressing sidelobe energy and directing the radiated energy towards the desired area of coverage.



Multiple band MMO24580608 omnidirectional antenna

Antenna Electrical Specifications

Model	Frequency Range	Nominal Gain	H-plane Beamwidth	E-plane Beamwidth
MMO24005PTNF	2.4-2.485 GHz	5.5 dBi +/-0.5	360°	32°
MMO24005PTNM	2.4-2.485 GHz	5.5 dBi +/-0.5	360°	32°
MMO24005PTRPC	2.4-2.485 GHz	5.5 dBi +/-0.5	360°	32°
MMO24005PT36NF	2.4-2.485 GHz	5.5 dBi +/-0.5	360°	32°
MMO24005PT36RPBN	2.4-2.485 GHz	5.5 dBi +/-0.5	360°	32°
MMO24005PT36RPC	2.4-2.485 GHz	5.5 dBi +/-0.5	360°	32°
MMO24580608NF	2.4-2.48/ 5.15-5.85 GHz	6 dBi/ 8 dBi	360°	22°/ 15°

Mechanical Specifications

Model	Antenna Height	Weight (Mass)	Bending Moment at Rated Wind	Lateral Thrust at Rated Wind	Equivalent Flat Plane Area
MMO24005PTNF	11.3" (287 mm)	0.5 lbs (0.23 kg)	2.2 ft-lbs	4.6 lbs	0.5 ft ²
MMO24005PTNM	11.3" (287 mm)	0.5 lbs (0.23 kg)	2.2 ft-lbs	4.6 lbs	0.5 ft ²
MMO24005PTRPC	11.3" (287 mm)	0.5 lbs (0.23 kg)	2.2 ft-lbs	4.6 lbs	0.5 ft ²
MMO24005PT36NF	11.3" (287 mm)	0.5 lbs (0.23 kg)	2.2 ft-lbs	4.6 lbs	0.5 ft ²
MMO24005PT36RPBN	11.3" (287 mm)	0.5 lbs (0.23 kg)	2.2 ft-lbs	4.6 lbs	0.5 ft ²
MMO24005PT36RPC	11.3" (287 mm)	0.5 lbs (0.23 kg)	2.2 ft-lbs	4.6 lbs	0.5 ft ²
MMO24580608NF	26" (660.4 mm)	0.50 lbs (0.226 kg)	11.5 ft-lbs	10.6 lbs	0.12 ft ²



Technical Data

Maximum Power: 25 watts
Polarization: Vertical linear
Normal Impedance: 50 ohms
VSWR: < 1.5:1 (MMO24005 series) < 2.0:1 (except MMO24005 series)
Wind Survival: 125 mph
Radome Material: White UV stable plastic
Connector: N female or N male. 12" or 36" RG-58/U pigtail with RP-TNC plug connector (MMO24005 series only). Other connector options available (MMO24005 series only).
Mounting Method: Pipe mount (included). MMOD Diversity mount bracket for MMO24005PTRPC (optional).