

PCTEL Dual-Band High Performance Omnidirectional Antennas

PCTEL's MHODB high performance omnidirectional antenna series is designed to cover frequencies from 2.4-2.5 GHz and 4.94-5.925 GHz for broadband access applications. With its integral N-Male connector at the base, this antenna can be directly mounted on the radio equipment. N female bulkhead models are also available.

Features

- Slender, rugged housing (1.25" OD)
- Innovative vented design for upright or inverted mounting
- White UV resistant radome protects the antenna elements from environmental factors
- Black UV resistant radome available on select models



MHODB24490507NM

BMHODB24490305NM

BAM1009 mount



STANDARD CONFIGURATION

Model	Connector	Mount
BMHODB24490305NM	Type N Male	BAM-1009 base station aluminum mount kit for masts up to 2.4 inches in diameter (sold separately)
MHODB24490507NM	Type N Male	
MHODB24490507NF	N female Bulkhead	
MHODB24490305NM	Type N Male	

ELECTRICAL SPECIFICATIONS - RF ANTENNA

Model	Frequency Range	Gain	VSWR	Azimuth Half Power Beamwidth	Elevation Half Power Beamwidth	Average Power	Nominal Impedance	Polarization
BMHODB24490305NM	2.4-2.5 GHz / 4.94-5.925 GHz	3 dBi / 5 dBi	< 2.0	360° (omni)	25° / 15°	25 watts	50 ohms	Vertical, linear
MHODB24490507NM	2.4-2.5 GHz / 4.94-5.925 GHz	5 dBi / 7 dBi	< 2.0	360° (omni)	25° / 15°	25 watts	50 ohms	Vertical, linear
MHODB24490507NF	2.4-2.5 GHz / 4.94-5.925 GHz	5 dBi / 7 dBi	< 2.0	360° (omni)	25° / 15°	25 watts	50 ohms	Vertical, linear
MHODB24490305NM	2.4-2.5 GHz / 4.94-5.925 GHz	3 dBi / 5 dBi	< 2.0	360° (omni)	25° / 15°	25 watts	50 ohms	Vertical, linear

MECHANICAL & ENVIRONMENTAL SPECIFICATIONS (ALL MODELS)

Model	Dimensions	Weight	Housing Material	Rated Wind	Temperature Range
BMHODB24490305NM	1.25 OD x 6.3 H in (3.17 x 16 cm)	0.3 lbs (.14 kg)	White or Black UV Stable ASA	125 mph	-40°C to +85°C
MHODB24490507NM	1.25 OD x 10.4 H in (3.17 x 26.4 cm)	0.3 lbs (.14 kg)	White or Black UV Stable ASA	125 mph	-40°C to +85°C
MHODB24490507NF	1.25 OD x 11 H in (3.17 x 27.9 cm)	0.3 lbs (.14 kg)	White or Black UV Stable ASA	125 mph	-40°C to +85°C
MHODB24490305NM	1.25 OD x 6.3 H in (3.17 x 16 cm)	0.3 lbs (.14 kg)	White or Black UV Stable ASA	125 mph	-40°C to +85°C