

## 5GHz White PCTEL High Performance Omnidirectional Antennas

These omnidirectional antennas are high performance low profile base station antennas in a rugged housing. These antennas are designed to cover frequencies in the 5 GHz bands for broadband access applications. With its integral N-Male or N-Female connector at the base, this antenna can be directly mounted on the radio equipment or can be mounted to a mast.

### Features

- Low profile rugged housing
- Innovative vented design with aerated cap and base drain hole
- White UV resistant radome. Protects the antenna from environmental factors



MHO58010NF & NM Omnidirectional Antenna (left); Connector Views (right)

### RF/Specifications

Model	Frequency Range	Nominal Gain	H-plane Beamwidth	E-plane Beamwidth	VSWR
MHO495907NF	4.94-5.875 GHz	7 dBi	360° (omni)	12°	< 2.0
MHO495907NM	4.94-5.875 GHz	7 dBi	360° (omni)	12°	< 2.0
MHO52007NM	5.15-5.875 GHz	7 dBi	360° (omni)	15°	< 2.0
MHO58010NF	5.15-5.875 GHz	10 dBi	360° (omni)	10°	< 2.0
MHO58010NM	5.15-5.875 GHz	10 dBi	360° (omni)	10°	< 2.0

### Mechanical Specifications

Model	Wind Survival	Equivalent Flat Plane Area	Lateral Thrust @ Rated Wind	Bending Moment @ Rated Wind	Height	Weight
MHO495907NF	125 mph	0.04 ft <sup>2</sup>	3.1 lbs.	1.1 ft-lbs.	10.2"	0.3 lbs (.14 kg)
MHO495907NM	125 mph	0.04 ft <sup>2</sup>	3.1 lbs.	1.1 ft-lbs.	10.2"	0.3 lbs (.14 kg)
MHO52007NM	125 mph	0.04 ft <sup>2</sup>	3.1 lbs.	1.1 ft-lbs.	10.2"	0.3 lbs (.14 kg)
MHO58010NF	125 mph	0.08 ft <sup>2</sup>	6.8 lbs.	5.6 ft-lbs.	18.38"	0.35 lbs (.16 kg)
MHO58010NM	125 mph	0.08 ft <sup>2</sup>	6.8 lbs.	5.6 ft-lbs.	18.38"	0.35 lbs (.16 kg)



### Technical Data

General Specifications: Omnidirectional Base Station Antenna
Maximum Input Power: 25 watts
Radome Material UV Stable Plastic
Nominal Impedance: 50 Ohms
Polarization: Vertical Linear
Termination: Type N-Male (NM) & N-Female (NF)