MA-WO56-DP10

4.9-5.9 GHz Dual Polarization Omni Directional Antenna

MARS 4.9-5.9GHz Dual Polarization Omni Directional Antenna provides a cost effective solution for large scale WLL, WLAN, ISM and Point-to-Multi Point applications. UV protected radome suitable for harsh environment installations. Antenna features stable performance with exceptional 10 dBi of gain.

Applications:
- MESH Networks.
- Point-to-Point Applications.

Specifications

**Electrical**

- Frequency range: 4.9 - 5.9 GHz
- GAIN, typ.:
  - 4.9-5.1 GHz Vertical @ 8dBi & Horizontal @ 10dBi
  - 5.1-5.9 GHz Vertical & Horizontal @ 10dBi
- VSWR, 1.7 : 1 typ.
  - 4.9-5.1 @ 2.5:1 max.
  - 5.1-5.9 @ 2: 1 max.
- Polarization: Dual Pole Vertical & Horizontal
- 3 dB Beam-Width, Azimuth, typ.
  - Omni - Directional
- 3 dB Beam-Width, Elevation, typ.
  - 11°
- Port to Port Isolation: -30 dB typ. -20 dB min.
- Input power, max.: 10 Watt
- Lightning Protection: DC Grounded
- Input Impedance: 50 Ohm

**Mechanical**

- Dimensions (HxDia.): 355 x 66 mm (14" x 2.6")
- Weight: 370 gr.
- Connector: 2 X N-Type, Female
- Radome: UV Protected Polycarbonate
- Mount: 2” Pole Mount

**Environmental**

- Operating Temperature Range: -40°C to +65°C
- Vibration: According to IEC 60721-3-4
- Wind Load: 200 km/h (survival)
- Flammability: UL94
- Water Proofing: IP-67
- Humidity: ETS 300 019-1-4, EN 302 085 (annex A.1.1)
- Salt Fog: According to IEC 68-2-11