

## 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<br>5.1-5.9 GHz Vertical & Horizontal @ 10dBi |
| VSWR, 1.7 : 1 typ.               | 4.9-5.1 @ 2.5:1 max.<br>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                |
| 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                  |

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