

## 2.3-2.7 GHz Dual Polarized Antenna

### -MA-WA25-DP19

MARS 2.5 GHz Dual Polarized Antenna is a wide band antenna designed for Wi-Fi, LAN, MMDS, WLL and WiMAX applications.

Additional Features:



- dual slant if mounted diagonally
- exceptionally efficient performance
- high gain/size ratio
- aesthetic design
- weatherized and durable
- mount allows for 45deg. turn installation

#### Specifications:

#### Electrical

|                                |                                   |
|--------------------------------|-----------------------------------|
| Frequency range                | 2.3 - 2.7 GHz                     |
| Gain,typ.                      | 19 dBi $\hat{A}$ $\pm$ 1 dBi      |
| VSWR, max.                     | 1.7:1                             |
| 3 dB Beam-Width, H-Plane, typ. | 17 °                              |
| 3 dB Beam-Width, E-Plane, typ. | 17 °                              |
| Side Lobes, min.               | -12 dB                            |
| Polarization                   | Dual Pole,Vertical and Horizontal |
| Cross Polarization, min.       | -19 dB                            |
| Port to Port Isolation         | - 25 dB                           |
| Front to Back Ratio, min.      | -30 dB                            |
| Input power, max               | 10 Watt                           |
| Input Impedance                | 50 Ohm                            |
| Lightning Protection           | DC Grounded                       |

#### Mechanical

|                    |  |
|--------------------|--|
| Dimensions (HxWxD) | 370 x 370 x 40 mm (14.5" x14.5" x 1.6")          |
| Weight             | 1.8 kg   |
| Connector          | 2 x N-Type Female                                |
| Back Plane         | Aluminum; protected through chemical passivation |
| Radome             | UV Protected, Polycarbonate                      |
| Mount              | <a href="#">MNT-22</a>                           |

#### 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                 |

#### Ordering Options

|   |                |
|---|----------------|
| Antenna Suited for MNT-22 (optional wall/pole adjustable mount) | MA-WA25-DP19   |
| Antenna with mount  | MA-WA25-DP19 B |

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