

## MA-WA62-DP19

### 5.7-6.425 GHz Dual Polarization Subscriber Antenna

MARS 6 GHz Broadband Medium Gain Antenna covers newly approved 5.7-6.425 GHz band.

Additional Features:

- Exceptionally high gain.
- Light weight and durable construction.
- DC grounded for lightning protection.
- Easy mounting allowing Az/EI adjustment.
- UV protected radome suitable for harsh environment installations



## Specifications

### Electrical

|                                 |   |
|---------------------------------|---|
| Frequency range                 | 5.7-6.425 GHz   |
| GAIN (without cable)            | 19 ± 1 dBi  |
| VSWR, max.                      | 1.7 : 1   |
| Polarization                    | Dual Pole<br>Dual Slant (opt.)                        |
|                                 | Linear, Vertical & Horizontal<br>±45° (diamond shape) |
| 3 dB Beam-Width, Az-Plane, typ. | 16°   |
| 3 dB Beam-Width, EI-Plane, typ. | 16°   |
| Side Lobes, min.                | -12 dB  |
| Cross Polarization, min.        | -16 dB (-20 dB typ.)                                  |
| Port to Port Isolation, min.    | -25 dB (-30 dB typ.)                                  |
| Front to Back Ratio, min.       | -30 dB  |
| Input power, max.               | 10 Watt   |
| Input Impedance                 | 50 Ohm  |
| Lightning Protection            | DC Grounded   |

### Mechanical

|                    |   |
|--------------------|---|
| Dimensions (HxWxD) | 200 x 200 x 33 mm (7.9" x 7.9" x 1.25") |
| Connector          | 2 x N-Type Female                       |
| Weight             | 400 gr.                                 |
| Radome             | UV Protected Polycarbonate              |
| Mounting           | See ordering options                    |

### Environmental

|                             |   |
|-----------------------------|---|
| Operating Temperature Range | -55°C to +65°C                            |
| Vibration                   | According to IEC 60721-3-4                |
| Wind Load                   | 200 Km/h (Survival)                       |
| Flammability                | UL94                                      |
| Humidity                    | ETS 300 019-1-4, EN 302 085 (Annex A.1.1) |
| Water Proofing              | IP-67                                     |
| Salt Fog                    | According to IEC 68-2-11                  |

## Ordering Options

|               |                           |
|---------------|---------------------------|
| MA-WA62-DP19  | Antenna Suited for MNT-23 |
| MA-WA62-DP19B | Antenna with MNT-23 mount |

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