

## MA-WA6927-DBDP8

### 698 – 960 MHz & 1700 – 2700 MHz Dual Band & Dual Pol Directional Antenna

MARS Dual band & Dual Polarized Antenna covers all the bands for LTE, 3G, 2.5G and 2G cellular, as well as ISM, WLAN, Bluetooth, GSM 900 and GSM 1900.

The antenna is aesthetic small and has unobtrusive profile that blends easily with any environment.

The antenna is easy-installed and is highly recommended as an outstanding logistic solution for Outdoor installations as well as In-Building Installations.



## Specifications

### Electrical

|                                 |               |                       |
|---------------------------------|---------------|-----------------------|
| Frequency range                 | 698 – 960 MHz | 1700 – 2700 MHz       |
| Gain, typ.                      | 8 dBi         | 9 dBi                 |
| VSWR                            | typ.          | 2.0 : 1               |
|                                 | max.          | 2.5 : 1               |
| Polarization                    | Dual Pol      | Vertical & Horizontal |
| Port to Port Isolation, min.    |               | -23 dB                |
| 3dB Beam-Width, Azimuth, typ.   | 65°           | 65°                   |
| 3dB Beam-Width, Elevation, typ. | 65°           | 65°                   |
| Front to Back Ratio, min        |               | -15 dB                |
| PIM, typ.                       |               | -140 dBc              |
| Input power, max.               |               | 50 Watt               |
| Impedance                       |               | 50 Ohm                |
| Lightning Protection            |               | DC Grounded           |

### Mechanical

|                    |  |
|--------------------|--|
| Dimensions (HxWxD) | 310 x 310 x 126 mm (12.2" x 12.2" x 4.96" )      |
| Connector          | 2 x N-type Female                                |
| Weight             | ~1.3 kg  |
| Mounting           | See Ordering Options                             |
| Radome             | UV Protected Plastic                             |
| Back Plane         | Aluminum protected through chemical passivation. |

### Environmental

|                             |   |
|-----------------------------|---|
| Operating Temperature Range | -55°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

|                  |  |
|------------------|--|
| MA-WA6927-DBDP8  | Antenna 2 x N-Type Female connectors Suited for MNT-22 |
| MA-WA6927-DBDP8B | Antenna 2 x N-Type Female connectors with MNT-22 mount |

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