

MA-WA25-DP19

2.3-2.7 GHz Dual Polarized/ Dual Slant Antenna

MARS 2.5 GHz Dual Polarized Antenna is a wide band antenna designed for LTE, 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 45deg. turn installation.



Specifications

Electrical

| | |
|--------------------------------|---------------------------------------|
| Frequency range | 2.3-2.7 GHz |
| GAIN, typ. | 19 ± 1 dBi |
| VSWR, max. | 1.7 : 1 |
| Polarization | Dual Pole Dual Slant (opt.) |
| | Linear, Vertical & Horizontal ±45° |
| 3 dB Beam-Width, H-Plane, typ. | 17° |
| 3 dB Beam-Width, E-Plane, typ. | 17° |
| Side Lobes, min. | -12 dB |
| Cross Polarization, min. | -19 dB |
| Port to Port Isolation.typ. | -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" x 14.5" x 1.6") |
| Weight | 2 kg. |
| Connector | 2 x N-Type Female |
| Back Plane | Aluminum; protected through chemical passivation |
| Radome | UV Protected, Polycarbonate |
| Mount | See ordering options |

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

| | |
|-------------------|---|
| MA-WA25-DP19 | Antenna Suited for MNT-22 (optional wall/pole adjustable mount) |
| MA-WA25-DP19B | Antenna with MNT-22 mount |
| MA-WA25-DP19SMELZ | Antenna with large enclosure, 2 X SMA Connectors with PEMs and MNT-22 |

Patterns are available on our website

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