

Item no.: MA-WA56-DP25NB_M

MARS MA-WA56-DP25NB - 4.9-5.875 GHz Dual Polarized/Dual Slant Subscriber Antenna, Incl. mounting

180,25 EUR

Item no.: MA-WA56-DP25NB_M
shipping weight: 1.80 kg
Manufacturer: MARS Antennas



Product Description

MARS MA-WA56-DP25NB - 4.9-5.875 GHz Dual Polarized/Dual Slant Subscriber Antenna

The MARS 5 GHz dual polarized antenna was designed to provide full coverage for the 5 GHz frequency band. Additional Features:

- Dual slant if mounted diagonally
- Efficient and stable performance
- High gain/size ratio
- Light weight and durable construction
- UV protected radome made of polycarbonate suitable for harsh weather installations

The MARS 5 GHz dual polarized antenna & enclosure solution comprises of a waterproof 5 GHz dual polarized antenna and a weatherproof enclosure with provisions for Az/EI adjustments. This solution enables WISP/integrators to design their own low cost, weatherized subscriber unit, saving high costs of special antenna radio integrations.

Electrical

- Frequency range: 4.9-5.875 GHz
- Gain: V-pol: 23.5 +/-1 dBi; H-pol 24.5 +/-1 dBi
- VSWR, max.: 1.7:1
- Polarization: Dual polarized: Linear, vertical & horizontal; Dual slant (opt.): +/-45°
- 3 dB beam-width, H-plane, typ.: 7° - 9°
- 3 dB beam-width, E-plane, typ.: 7° - 9°
- Side lobes, min.: ETSI TS3, TS4, TS5
- Cross polarization, typ.: -25 dB
- Port-to-port isolation, typ.: -30 dB
- Front-to-back ratio, min.: ETSI TS3, TS4, TS5
- Input power, max.: 5 Watt
- Input impedance: 50 Ohm
- Lightning protection: DC grounded

Mechanical

- Dimensions (H x W x D): 370 x 370 x 40 mm (14.5" x 14.5" x 1.6")
- Connector (without enclosure): 2x N-type, female
- Connector (with enclosure): 2x SMA female
- Weight: 1.8 kg
- Back plane: Aluminum protected through chemical passivation
- Radome: UV protected Polycarbonate
- Enclosure dimensions (external): 287 x 287 x 68 mm
- Enclosure dimensions (internal): 260 x 260 x 45 mm (10.2" x 10.2" x 1.8")
- Enclosure internal plate dimensions: 245 x 245 mm: Height of PCB (from base for RF to backplane): 55 mm
- Mounting: MNT-22 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

Specifications

**Scan this QR code to
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All details, up-to-date
prices and availability

