

2.3-2.7 GHz Dual Slant Base Station Antenna, 60°

MA-WC25-DS18

MARS Dual Slant ± 45 degrees 60° sector antenna features:

- efficient and stable performance with 17.5 dBi of gain
- full 2.3-2.7 GHz band coverage
- high Isolation Ratio
- compact size
- optional Azimuth & Elevation Adjustable mount
- UV protected radome suitable for harsh environment installations



Specifications:

Electrical

| | |
|--------------------------------|-------------------------------|
| Frequency range | 2.3 - 2.7 GHz |
| Gain, typ. | 17.5 dBi |
| VSWR, max. | 1.7:1 |
| 3 dB Beam-Width, H-Plane, typ. | 60 ° |
| 3 dB Beam-Width, E-Plane, typ. | 6 ° |
| Side Lobes, min. | -18 dB |
| Polarization | Dual Slant $\pm 45^\circ$ |
| Port to Port Isolation | (min) -25 db , (typ.) - 30 dB |
| Front to Back Ratio, min. | -35 dB |
| Input power, max | 10 Watt |
| Input Impedance | 50 Ohm |
| Lightning Protection | DC Grounded |

Mechanical

| | |
|--------------------|--|
| Dimensions (HxWxD) | 1200 x 200 x 80 mm (47.2" x7.9" x 3.1") |
| Weight | 5 kg |
| Connector | 2x N-Type, Female (bottom) |
| Back Plane | Aluminum; protected through chemical passivation |
| Radome | UV Protected, Plastic |
| Mount | MNT-25 |

Environmental

| | |
|-----------------------------|----------------------------|
| Operating Temperature Range | - 55°C to + 65°C |
| Vibration | According to IEC 60721-3-4 |

| Specifications: | |
|-------------------------|---|
| Wind Load | 200 km/h (survival) |
| Flammability | UL94 |
| Water Proofing | IP-65 |
| Humidity | ETS 300 019-1-4, EN 302 085 (annex A.1.1) |
| Ice and Snow | 25mm radial (survival) |
| Salt Fog | According to IEC 68-2-11 |
| Service Life | >10 years |
| Ordering Options | |
| Antenna with mount | MA-WC25-DS18 B |

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