

MA-WC25-DS18

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

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
Polarization	Dual Slant $\pm 45^\circ$
3 dB Beam-Width, H-Plane, typ.	60°
3 dB Beam-Width, E-Plane, typ.	6°
Side Lobes, min.	-18 dB
Port to Port Isolation	-25 dB (min.), -30 dB (typ.)
Front to Back Ratio, min.	-30 dB
Input power, max.	100 Watt Peak (5% duty cycle)
Input Impedance	50 Ohm
Lightning Protection	DC Grounded

Mechanical

Dimensions (HxWxD)	1200 x 200 x 70 mm (47.2" x 7.9" x 2.8")
Weight	5 kg.
Connector	2 x N-Type, Female
Back Plane	Aluminum; protected through chemical passivation
Radome	UV Protected, Plastic
Mount	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
Water Proofing	IP-65
Humidity	ETS 300 019-1-4, EN 302 085 (annex A.1.1)
Salt Fog	According to IEC 68-2-11
Ice and Snow	25mm radial (survival)

Ordering Options

MA-WC25-DS18	Antenna Suited for MNT-25 (optional tilt mount)
MA-WC25-DS18B	Antenna with MNT-25 mount

Patterns are available on our website

MARS Antennas & RF Systems proprietary information

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