

MA-WC90-DS13

850-960 MHz Dual Slant Base Station Sector Antenna, 65°

MARS 915 MHz Dual Slant Base Station Sector Antenna provides a robust and efficient solution for the Point-to-Multipoint systems based on the ISM 915 MHz band.

Additional Features:

- 65° azimuthally coverage.
- Suitable for harsh environment installations.
- DC grounded.



Specifications

Electrical

Frequency range	850-960 MHz
GAIN, typ.	13 dBi
VSWR, max.	1.7 : 1
Polarization	Dual Slant $\pm 45^\circ$
3 dB Beam-Width, Azimuth Plane, typ.	65°
3 dB Beam-Width, Elevation Plane, typ.	19°
Side Lobes, typ.	-12 dB
Cross Polarization, typ.	-15 dB
Port to Port Isolation, min.	-24 dB
Front to Back Ratio, typ.	-26 dB
Input power, max	20 Watt
Input Impedance	50 Ohm
Lightning Protection	DC Grounded

Mechanical

Dimensions (HxWxD)	960 x 330 x 120 mm (37.8" x 13" x 4.72")
Weight	4 kg.
Connector	2 X N-Type
Back Plane	Aluminum; protected through chemical passivation
Radome	UV Protected Plastic
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-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-WC90-DS13	Antenna Suited for MNT-25 (optional tilt mount)
MA-WC90-DS13B	Antenna with MNT-25 mount

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