

MA-WD90-DS12

850-960 MHz Dual Slant Base Station Sector Antenna, 90°

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:

- 90° azimuthally coverage.
- Suitable for harsh environment installations.
- DC grounded



Specifications

Electrical	
Frequency range	850-960 MHz
GAIN, typ.	12 dBi
VSWR, max.	1.7 : 1
Polarization	Dual Slant
	± 45°
3 dB Beam-Width, Azimuth Plane, typ.	90°
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-WD90-DS12	Antenna Suited for MNT-25 (optional tilt mount)
MA-WD90-DS12B	Antenna with MNT-25 mount

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