

MA-WD36-DP14N

3.3-4.01 GHz Dual Polarized Base Station Antenna, 90°

MARS 90° Broadband Dual Polarized Sector Antenna provides a cost effective solution for LTE & WiMAX applications.

Additional Features:

- Stable performance with 14 dBi of gain.
- Compact size allowing for easy blending with any environment.
- Tilt mount allowing quick and easy installation.
- UV protected radome suitable for harsh environment installations.



Specifications

Electrical

Frequency range	3.3-4.01 GHz
GAIN, typ.	14 dBi
VSWR, max.	1.7 : 1
Polarization	Dual, Vertical & Horizontal
3 dB Beam-Width, Azimuth, typ.	90°
3 dB Beam-Width, Elevation, typ.	12°
Side Lobes, min.	-12 dB
Front to Back Ratio, min.	-30 dB
Cross Polarization, min.	-15 dB
Port to Port Isolation, typ.	-30 dB
Input power, max.	10 Watt
Input Impedance	50 Ohm
Lightning Protection	DC Grounded

Mechanical

Dimensions (HxWxD)	370 x 370 x 40 mm (14.5" x 14.5" x 1.6")
Weight	2 Kg.
Connector	2 x N-Type, Female
Back Plane	Aluminum protected through chemical passivation
Radome	UV Protected Polycarbonate
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-67
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-WD36-DP14N	Antenna Suited for MNT-22 (optional wall/pole adjustable mount)
MA-WD36-DP14NB	Antenna with MNT-22 mount

MARS Antennas & RF Systems proprietary information

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