

MA-WD24-15

2.3-2.7 GHz Base Station Antenna, 90°

MARS 90° Base Station Antenna with 15.5 dBi of gain is light-weight yet has a robust and durable construction.

Antenna Features:

- Quick and easy installation.
- Small, aesthetic and unobtrusive radome.
- Easily adapted to any RF connector.
- Easy mounting allowing obtaining required down tilt

degree. Applicable Applications:

- Point-to-Multi-Point Systems.
- WLL applications.
- MMDS.
- ISM applications.



Specifications

Electrical

Frequency range	2.3-2.7 GHz
GAIN, typ.	15.5 dBi
VSWR, max.	1.7 : 1
Polarization	Linear, Vertical
3 dB Beam-Width, H-Plane, typ.	90°
3 dB Beam-Width, E-Plane, typ.	8°
Side Lobes, min.	-13 dB
Cross Polarization, min.	-20 dB
Front to Back Ratio, min.	-24 dB
Input power, max.	50 Watt
Input Impedance	50 Ohm
Lightning Protection	DC Grounded

Mechanical

Dimensions (HxWxD)	800 x 120 x 65 mm (31.5" x 4.7" x 2.6")
Weight	1.2 kg.
Connector	N-Type, Female
Back Plane	Aluminum protected through chemical passivation
Radome	UV Protected, Plastic
Mount	MNT-5A

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)

Standard Compliance

ETSI EN 301 525 v1.1.1

Ordering Options

MA-WD24-15	Antenna Suited for MNT-5A (optional wall/pole adjustable mount)
MA-WD24-15B	Antenna with MNT-5A mount

Patterns are available on our website

MARS Antennas & RF Systems proprietary information

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