

MA-WD24-13

2.3-2.7 GHz Base Station Antenna, 90°

MARS 90° Base Station Antenna has a lightweight and durable construction.

Additional Features:

- Compact Size.
- Quick and easy installation.
- Adjustable Tilt (with optional mount MNT-22).

Applications:

- Point-to-Multi-Point Applications.
- WLL Applications.
- MMDS.
- ISM Applications.



Specifications

Electrical

Frequency range	2.3-2.7 GHz
GAIN, min.	13 dBi
VSWR, max.	1.7 : 1
Polarization	Linear, Vertical
3 dB Beam-Width, H-Plane, typ.	90°
3 dB Beam-Width, E-Plane, typ.	15°
Side Lobes, min.	-12 dB
Cross Polarization, min.	-22 dB
Front to Back Ratio, min.	-20 dB
Input power, max.	50 Watt
Input Impedance	50 Ohm
Lightning Protection	DC Grounded

Mechanical

Dimensions (HxWxD)	380 x 75 x 80 mm (15" x 3" x 3.1")
Weight	0.5 kg.
Connector	N-Type, Female
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-WD24-13	Antenna Suited for MNT-22 (optional wall/pole adjustable mount)
MA-WD24-13B	Antenna with MNT-22 mount

Patterns are available on our website

MARS Antennas & RF Systems proprietary information

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