

**2.4-2.5 GHz Horizontally Polarized Sector Antenna, 90°
MA-WD24-6H**

MARS 90° Horizontally Polarized Sector Antenna provides a cost effective solution for WLL, MMDS and Point-to-Multi-Point applications, in spectrally crowded areas in this band.

Antenna Features:

- high discrimination of V-pol signals
- it features horizontal polarization with min. 15 dBi of gain
- antenna is light-weight and has durable construction
- UV protected radome suitable for harsh environment installations
- DC grounded
- easy mounting allows to obtain required downtilt degree



Specifications:

Electrical	
Frequency range	2.4 – 2.5 GHz
GAIN, min.	15 dBi
VSWR, max.	1.7 : 1
Polarization	Linear, Horizontal
3 dB Beam-Width, Horizontal Plane, typ.	90°
3 dB Beam-Width, Elevation Plane, typ.	8°
Side Lobes, min.	-17 dB
Cross Polarization, min.	-22 dB
Front to Back Ratio, min.	-22 dB
Input power, max	50 Watt
Input Impedance	50 Ohm
Lightning Protection	DC Grounded
Mechanical	
Dimensions (HxWxD)	810 x 120 x 60 mm (32" x4.7" x 2.3")
Weight	1.1 kg
Connector	N-Type, Female
Back Plane	Aluminum protected through chemical passivation
Radome	UV Protected Plastic
Mount	MNT-5
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)
Service Life	>10 years

*** FOR PATTERNS PLEASE VISIT OUR WEBSITE**

Ordering Options:

MA-WD24-6H	Antenna Suited for MNT-5 (optional mount)
MA-WD24-6HB	Antenna with mount

* MARS reserves the right to make technical changes or modifications to any of its products and specifications without prior notice and without implementing such changes to prior supplied products. Product images are representative and indicative only. Warranty terms and general conditions of sale are applicable on any purchase of any product and are available on MARS website.