

MA-WC91-5H

915 MHz Horizontally Polarized Sector Antenna, 60°

MARS 60° Horizontally Polarized Sector Antenna provides a robust and efficient solution for Point-to-Multi-Point applications using 915 MHz band, in specially crowded areas in this band.

Antenna Features:

- Stable and reliable performance for high interference environments.
- Features horizontal polarization with 14 dBi of gain.
- Light-weight and durable construction.
- Suitable for harsh environment installations.
- DC grounded.
- Easy mounting allowing obtaining required down tilt degree with the optional MNT-25 mount.



Specifications

Electrical

Frequency range	902-928 MHz
GAIN, min.	14 dBi
VSWR, max.	1.7 : 1
Polarization	Horizontal
3 dB Beam-Width, Horizontal Plane, typ.	60°
3 dB Beam-Width, Elevation Plane, typ.	15°
Input power, max.	10 Watt
Input Impedance	50 Ohm
Lightning Protection	DC Grounded

Mechanical

Dimensions (HxWxD)	1200 x 330 x 105 mm (47.2" x 13" x 4.1")
Weight	4 kg.
Connector	N-Type, Female
Back Plane	Aluminum protected through chemical passivation
Radome	UV Protected Plastic
Mount	MNT-25

Environmental

Operating Temperature Range	-40°C to +70°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-WC91-5H	Antenna Suited for MNT-25 (optional tilt mount)
MA-WC91-5HB	Antenna with MNT-25 mount

Patterns are available on our website

MARS Antennas & RF Systems proprietary information

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, available on MARS website.

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