

MA-WA61-25

6 GHz Broadband Subscriber Antenna

MARS 6 GHz Broadband High Gain Antenna covers newly approved 5.4-6.5 GHz band.

Additional Features:

- Exceptionally high gain.
- Light weight and durable construction.
- DC grounded for lightning protection.
- Easy mounting allowing Az/EI adjustment.
- UV protected radome suitable for harsh environment installations.



Specifications

Electrical

Frequency range	5.4-6.5 GHz
GAIN, typ.	25 dBi
VSWR, max.	2 : 1 @ 5.4-5.7 GHz 1.7 :1 @ 5.7-6.5 GHz
Polarization	Linear, Vertical or Horizontal
3 dB Beam-Width, H-Plane, typ.	9°
3 dB Beam-Width, E-Plane, typ.	9°
Side Lobes, min.	-12 dB
Front to Back Ratio, min.	-30 dB
Cross Polarization, min.	-20 dB
Input power, max.	10 Watt
Input Impedance	50 Ohm
Lightning Protection	DC Grounded

Mechanical

Dimensions (HxWxD)	305 x 305 x 15 mm (12" x 12" x 0.6")
Weight	840 gr.
Connector (without enclosure)	N-Type, Female
Connector (with enclosure)	SMA Female Right Angle
Back Plane	Aluminum; protected through chemical passivation
Radome	UV Protected Polycarbonate
Enclosure - Small	171 x 167 x 68 mm. (External dimension)
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-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)

Standard Compliance

ETSI EN 302 085 V1.2.3 – TS1

Ordering Options

MA-WA61-25	Antenna with N-Type connector suited for MNT-22 (optional wall/pole adjustable mount)
MA-WA61-25B	Antenna with N-Type connector with MNT-22 mount
MA-WA61-25SMES	Antenna with small enclosure, SMA RA Connector and MNT-22

Patterns are available on our website

MARS Antennas & RF Systems proprietary information

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