

MA-WA55-27

4.9-6.1 GHz Subscriber Antenna

MARS Broadband Antenna designed to provide high gain coverage of the UNII frequency band.

Additional Features:

- Efficient and stable performance.
- Aesthetic and unobtrusive.
- Thin UV protected radome suitable for harsh weather installations.
- Easy mounting allowing Az/EI adjustment.



Specifications

Electrical

Frequency range	4.9-6.1 GHz
GAIN. typ	26 dBi
VSWR, max.	4.9-5.875 @ 1.7 : 1 5.875-6.1 @ 2 : 1
Polarization	Linear, Vertical or Horizontal
3 dB Beam-Width, H-Plane, typ.	7.5°
3 dB Beam-Width, E-Plane, typ.	7.5°
Side Lobes, min.	ETSI TS3, TS4, TS5
Cross Polarization, min.	ETSI TS3, TS4, TS5
Front to Back Ratio, min.	ETSI TS3, TS4, TS5
Input power, max.	50 Watt
Input Impedance	50 Ohm
Lightning Protection	DC Grounded

Mechanical

Dimensions (HxWxD)	370 x 370 x 40 mm (14.6" x 14.6" x 1.5")
Weight	1.6 kg.
Connector	N-Type Female
Back Plane	Aluminum; protected through chemical passivation
Radome	UV Protected Polycarbonate
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

Ordering Options

MA-WA55-27	Antenna Suited for MNT-22 (optional wall/pole adjustable mount)
MA-WA55-27B	Antenna with MNT-22 mount

Patterns are available on our website

Mars Antennas & RF Systems proprietary information

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