

MA-WA56-13

4.9-6.1 GHz Vertical Polarization Directional Antenna

MARS 5 GHz Vertical Polarized Antenna designed to provide full coverage for the 5 GHz frequency band.

Additional Features:

- Efficient and stable performance.
- High gain/size ratio.
- Light weight and durable construction.
- UV protected radome made of polycarbonate suitable for harsh weather installations.
- Easy mounting allowing Az/EI installation.



Specifications

Electrical

Frequency range	4.9-6.1 GHz
GAIN, typ.	13.5 dBi
VSWR, max.	1.7 : 1
Polarization	Linear Vertical or Horizontal
3dB Beam-Width, H-Plane, typ.	35°
3dB Beam-Width, E-Plane, typ.	35°
Side Lobes, min.	-10 dB
Cross Polarization, typ.	-15 dB
Front to Back Ratio, min.	-20 dB
Port to Port Isolation, min.	-24 dB
Input power, max.	50 Watt
Input Impedance	50 Ohm
Lightning Protection	DC Grounded

Mechanical

Dimensions (HxWxD)	112 x 112 x 33.5 mm (4.41" x 4.41" x 1.32")
Connector	N-Type ,Female
Weight	147 gr.
Mounting	See Ordering Options
Radome	UV Protected Polycarbonate
Back Plane	Aluminum protected through chemical passivation.

Environmental

Operating Temperature Range	-55°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-WA56-13	Antenna N-TYPE Female connector, Suited for MNT-4LU mount
MA-WA56-13B	Antenna N-TYPE Female connector, with MNT-4LU mount
MA-WA56-13M	Antenna N-TYPE Female connector, Suited for MNT-23 mount
MA-WA56-13MB	Antenna N-TYPE Female connector, with MNT-23 mount

Patterns are available on our website

Mars Antennas & RF Systems proprietary information

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3 Hamanor st. Holon 58861, P.O.Box 5 AZOR 58008, Israel

Tel: +972-3-5599661 • Fax: +972-3-5599677 • e-mail: mars@marsant.co.il • web: www.mars-antennas.com