

MA-WA56-DP23

4.9-6.1 GHz Dual Polarization/Dual Slant Subscriber Antenna

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

Additional Features:

- Dual slant if mounted diagonally.
- 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 adjustment and 45deg. turn installation.



Specifications

Electrical

Frequency range	4.9-6.1 GHz
GAIN	23 ± 1 dBi
VSWR, max.	1.7 : 1
Polarization	Dual Pole Dual Slant (opt.)
	Linear, Vertical & Horizontal ±45° (diamond shape)
3dB Beam-Width, H-Plane, typ.	10°
3dB Beam-Width, E-Plane, typ.	10°
Side Lobes, min.	ETSI TS3
Cross Polarization, typ.	-20 dB
Front to Back Ratio, min.	ETSI TS3
Port to Port Isolation, typ.	-30 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 1.6")
Connector (without enclosure)	2 x N-Type, Female
Connector (with enclosure)	2 x SMA RA Female
Weight	900 gr.
Mounting	See ordering options
Radome	UV Protected Polycarbonate
Enclosure - Large	287 x 287 x 68 mm. (External dimension)
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-DP23	Antenna Suited for MNT-22 (optional wall/pole adjustable mount)
MA-WA56-DP23B	Antenna with MNT-22 mount
MA-WA56-DP23SMELZ	Antenna with large enclosure, 2 X SMA Connectors with PEMs and MNT-22

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.

3 Hamanor st. Holon 5886103, P.O.Box 1852 Holon 5811801, Israel

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