

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	Linear, Vertical & Horizontal
Dual Pole Dual Slant (opt.)	±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

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