

MA-WA10-DP23

10.15–11.7GHz Dual Polarization Subscriber Antenna

MARS 10.15-11.7 GHz Dual Polarized Antenna designed to provide full coverage for the 10 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.



Specifications

Electrical

Frequency range	10.15-11.7 GHz
GAIN, typ.	22 ± 1dBi
VSWR, max.	2.0 : 1
Polarization, Dual Pole.	Linear, Vertical & Horizontal
3dB Beam-Width, H-Plane, typ.	10°
3dB Beam-Width, E-Plane, typ.	10°
Side Lobes, typ.	-12 dB
Cross Polarization, min.	-15 dB
Port to Port Isolation, typ.	-25 dB
Front to Back Ratio, min.	-30 dB
Input power, max.	10 Watt
Input Impedance	50 Ohm
Lightning Protection	DC Grounded

Mechanical

Dimensions (HxWxD)	200 x 200 x 33 mm (7.9" X 7.9" X 1.25")
Connector	2 x SMA Right Angle Female
Weight	400 gr.
Radome	Polycarbonate UV Protected
Mount	See Ordering Options
Back Plane	Aluminum protected through chemical passivation.

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-WA10-DP23	Antenna Suited for MNT-23 (optional wall/pole adjustable mount)
MA-WA10-DP23B	Antenna with MNT-23 mount

Patterns are available on our website

MARS Antennas & RF Systems proprietary information

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