

MA-WA23-DP19

1.9-2.7 GHz Dual Polarized/ Dual Slant Antenna

MARS 2.5 GHz Dual Polarized Antenna is a wide band antenna designed for LTE, Wi-Fi, LAN, MMDS, WLL and WiMAX applications.

Additional Features:

- Dual slant if mounted diagonally.
- Exceptionally efficient performance.
- High gain/size ratio.
- Aesthetic design.
- Weatherized and durable.



Specifications

Electrical

Frequency range	1.9-2.7 GHz
GAIN, typ.	18 ±1 dBi @ 1.9-2.5 GHz, 19 ±1 dBi @ 2.6-2.7 GHz
VSWR, max.	2:1
Polarization	Linear, Vertical & Horizontal
Dual Pole Dual Slant (opt.)	±45°
3 dB Beam-Width, H-Plane, typ.	17°
3 dB Beam-Width, E-Plane, typ.	17°
Side Lobes, min.	-12 dB
Cross Polarization, typ.	-20 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)	370 x 370 x 40 mm (14.5" x 14.5" x 1.6")
Weight	2 kg.
Connector	2 x 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-WA23-DP19	Antenna Suited for MNT-22 (optional wall/pole adjustable mount)
MA-WA23-DP19B	Antenna with MNT-22 mount

MARS Antennas & RF Systems proprietary information

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