

2.3-2.7 GHz Dual Polarized Antenna

-MA-WA25-DP19

MARS 2.5 GHz Dual Polarized Antenna is a wide band antenna designed for 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
- mount allows for 45deg. turn installation



Specifications:

Electrical

Frequency range	2.3 - 2.7 GHz
Gain,typ.	19 dBi \hat{A} ± 1 dBi
VSWR, max.	1.7:1
3 dB Beam-Width, H-Plane, typ.	17 °
3 dB Beam-Width, E-Plane, typ.	17 °
Side Lobes, min.	-12 dB
Polarization	Dual Pole,Vertical and Horizontal
Cross Polarization, min.	-19 dB
Port to Port Isolation	- 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" x14.5" x 1.6")
Weight	1.8 kg
Connector	2 x N-Type Female
Back Plane	Aluminum; protected through chemical passivation
Radome	UV Protected, Polycarbonate
Mount	<u>MNT-22</u>

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

Antenna Suited for MNT-22 (optional wall/pole adjustable mount)	MA-WA25-DP19
Antenna with mount	MA-WA25-DP19 B

