

MA-WA25-DP17

2.3-2.7 GHz Dual Polarization/Dual Slant Subscriber 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:

- Exceptionally efficient performance.
- High gain/size ratio.
- Aesthetic design.
- Weatherized and durable.



Specifications

Electrical

Frequency range	2.3-2.7 GHz
GAIN, typ.	17.5 ± 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.	21°
3dB Beam-Width, E-Plane, typ.	21°
Side Lobes, typ.	-12 dB
Cross Polarization, typ.	-20 dB
Front to Back Ratio, min.	-35 dB
Port to Port Isolation, min.	-23 dB
Input power, max.	50 Watt
Input Impedance	50 Ohm
Lightning Protection	DC Grounded

Mechanical

Dimensions (HxWxD)	305 x 305 x 25 mm (12" x 12" x 1.2")
Connector (without enclosure)	2 x N-Type, Female
Connector (with enclosure)	2 x SMA
Weight	1300 gr.
Mounting	See ordering options
Radome	UV Protected Polycarbonate
Enclosure - Small	171 x 167 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-WA25-DP17	Antenna 2 x N-Type Female connectors Suited for MNT-22 mount
MA-WA25-DP17B	Antenna 2 x N-Type Female connectors with MNT-22 mount
MA-WA25-DP17SMES	Antenna 2 x SMA Female connectors, enclosure small with MNT-22 mount

Patterns are available on our website

MARS Antennas & RF Systems proprietary information

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