

MA-WD25-DP13

2.3-2.7 GHz Dual Polarized Base Station Antenna, 90°

MARS 90° Base Station Antenna with 12.5 dBi of gain is light-weight yet has a robust and durable construction.

Antenna Features:

- Quick and easy installation.
- Small, aesthetic and unobtrusive radome.
- Easily adapted to any RF connector.
- Easy mounting allows obtaining required down tilt degree.

Applications:

- Point-to-Multi-Point Systems.
- WLL applications.
- MMDS.
- ISM applications.



Specifications

Electrical

Frequency range	2.3-2.7 GHz
GAIN, typ.	12.5 dBi
VSWR, max.	1.7 : 1
Polarization, Dual Pole	Linear, Vertical & Horizontal
3 dB Beam-Width, Az-Plane, typ.	90°
3 dB Beam-Width, El-Plane, typ.	17°
Side Lobes, min.	-12 dB
Cross Polarization, min.	-15 dB
Port to Port Isolation, min.	-35 dB
Front to Back Ratio, min.	-20 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")
Connector	2 x N-Type, Female
Weight	2 Kg.
Back Plane	Aluminum; protected through chemical passivation
Radome	UV Protected Polycarbonate
Mounting	See ordering options

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-WD25-DP13	Antenna Suited for MNT-22 (optional wall/pole adjustable mount)
MA-WD25-DP13B	Antenna with MNT-22 mount

MARS Antennas & RF Systems proprietary information

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3 Hamanor st. Holon 5886103, P.O.Box 1852 Holon 5811801, Israel

Tel: +972-3-5599661 • Fax: +972-3-5599677 • e-mail: mars@marsant.co.il • web: www.mars-antennas.com