

MA-WD52-DP15

4.4 – 6.1 GHz Dual Polarized Base Station Antenna, 90°

MARS Dual Polarized Base Station & Subscriber antennas provide a full coverage for the 5GHz frequency band (4.4-6.1 GHz).

The Antennas provide a cost effective solution for large scale of applications (WLL, WLAN, H-LAN, ISM, UNII, Public Safety, Municipal MESH Networks, Point-to-Multi-Point applications and more). Tilt mount allowing quick and easy installation.

UV protected radome suitable for harsh environment installations.



Specifications

Electrical

Frequency range	4.4 – 5.1 GHz	5.1 – 6.1 GHz
Gain, typ.	15.0 ± 0.5 dBi @ H-pol 15.5 ± 0.7 dBi @ V-pol	15.5 ± 0.5 dBi @ H-pol 16.0 ± 0.8 dBi @ V-pol
VSWR,	2.0 : 1	
max.	1.7 : 1	
Polarization	typ. Dual-Pol	Vertical & Horizontal
Port to Port Isolation, min.	-46 dB	
Side Lobes, Elevation, typ.	-10 dB	
Cross Polarization, min.	-16 dB	
3dB Beam-Width, Azimuth, typ.	90°	
3dB Beam-Width, Elevation, typ.	8°	
Front to Back Ratio, min	-26 dB	
Input power, max.	50 Watt	
Impedance	50 Ohm	
Lightning Protection	DC Grounded	
Impedance	50 Ohm	

Mechanical

Dimensions (HxWxD)	370 x 370 x 40 mm (14.5" x 14.5" x 1.6")
Connector	See Ordering Options
Weight	2 kg.
Mounting	See Ordering Options
Radome	UV Protected Plastic
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-WD52-DP15	Antenna with 2 x N-Type Female connectors suited for MNT-22 Mount
MA-WD52-DP15B	Antenna with 2 x N-Type Female connectors 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