



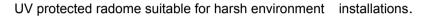




## 4.4 - 6.1 GHz Dual Polarized Base Station Antenna, 90°

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.





## **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 1.7 : 1		
max.	typ.			
Polarization	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.		80		
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		

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Weight	2 kg.	
Mounting	See Ordering Options	
Radome	UV Protected Plastic	
Back Plane	Aluminum protected through chemical passivation.	
Environmental		

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

MARS reserves the right to make technical changes or modifications to any of its products and specifications without prior notice and without implementing such changes to prior supplied products. Product images are representative and indicative only. Warranty terms and general conditions of sale are applicable on any purchase of any product, available on MARS website.

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