

4.9 - 6.1 GHz High Gain Dual Polarized Antenna

MA-WA56-DP28

MARS 5 GHz Dual Polarized Antenna designed to provide full coverage for the 5 GHz frequency band.

Additional Features:

- efficient and stable performance
- high gain/size ratio
- durable construction

UV protected radome made of polycarbonate allowing for harsh weather installations



Specifications:

Electrical

Frequency range	4.9 - 5.15 GHz	5.15 - 5.875 GHz	5.875 - 6.1 GHz
Gain	28 dBi V-Pol: 28.5 $\hat{A}$ $\pm$ 0.5 dBi ; H-Pol: 28 $\hat{A}$ $\pm$ 0.5 dBi	29 dBi V-Pol: 29 $\hat{A}$ $\pm$ 0.5 dBi ; 28.5 $\hat{A}$ $\pm$ 0.5 dBi	28 dBi V-Pol: 28.5 $\hat{A}$ $\pm$ 0.5 dBi ; H-Pol: 28 $\hat{A}$ $\pm$ 1 dBi
VSWR, max.	2:1	1.7:1	2:1
3 dB Beam-Width, H-Plane, typ.	5.2 °	4.7 °	4.4 °
3 dB Beam-Width, E-Plane, typ.	5.2 °	4.7 °	4.4 °
Side Lobes, min.	ETSI TS3	ETSI TS3	ETSI TS3
Polarization	Dual Pole, Vertical and Horizontal		
Port to Port Isolation	- 30 dB		
Front to Back Ratio, min.	ETSI TS3		
Input power, max	10 Watt		
Input Impedance	50 Ohm		
Lightning Protection	DC Grounded		

Mechanical

Dimensions (HxWxD)	600 x 600 x 22 mm (23.5"x 23.5"x0.9")
Weight	4.7 kg
Connector	2xN-Type Female
Back Plane	Aluminum ; protected through chemical passivation
Radome	UV Protected, Polycarbonate
Mount	MNT-60

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 with mount	MA-WA56-DP28 B
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