

## 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: $28.5 \hat{\pm} 0.5$ dBi ; H-Pol: $28 \hat{\pm} 0.5$ dBi	29 dBi V-Pol: $29 \hat{\pm} 0.5$ dBi ; 28.5 $\hat{\pm} 0.5$ dBi	28 dBi V-Pol: $28.5 \hat{\pm} 0.5$ dBi ; H-Pol: $28 \hat{\pm} 1$ 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
--------------------	----------------

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 and are available in the "Policies" section.