



## 4.9-5.875 GHz Dual Polarized/ Dual Slant Antenna

## - MA-WA56-DP25N

MARS 5 GHz Dual Polarized Antenna designed to provide terminated coverage for the 5 GHz frequency band. Additional Features:

- dual slant if mounted diagonally
- efficient and stable performance
- high gain/size ratio
- light weight and durable construction
- UV protected radome made of polycarbonate allowing for harsh weather installations
- easy mounting allowing for Az/El adjustment
- Specifications:

## Electrical

Antenna with mount	MA-WA56-I	MA-WA56-DP25N B	
Antenna Suited for MNT-22 (optional wall/	pole adjustable mount) MA-WA56-I	OP25N	
Ordering Options			
Service Life	> 10 years		
Salt Fog	According to IEC 68-2-11		
Humidity	ETS 300 019-1-4, EN 302 085 (annex. A.1.1)		
Water Proofing	IP-67		
Flammability	UL94		
Wind Load	200 km/h (survival)		
Vibration	According to IEC 60721-3-4		
Operating Temperature Range	-40° C to +65° C		
Environmemtal			
Mount	<u>MNT-22</u>		
Radome	UV Protected Polycarbonate		
Back Plane	Aluminum; protected through chemical passivation	on	
Connector	2 x N-Type, Female		
Weight	1.8 kg		
Dimensions (HxWxD)	370 x 370 x 40 mm (14.5" x14.5" x1.6")		
Mechanical			
Lightning Protection	DC Grounded		
Input Impedance	50 Ohm		
Input power, max	5 Watt		
Front to Back Ratio, min.	ETSI TS3, TS4, TS5		
Port to Port Isolation	- 30 dB		
Cross Polarization,typ.	-25 dB		
Polarization	Linear, Vertical and Horizontal		
Side Lobes, min.	ETSI TS3, TS4, TS5		
3 dB Beam-Width, E-Plane, typ.	7 ° -9		
3 dB Beam-Width, H-Plane, typ.	7 ° -9		
VSWR, max.	1.7:1		
Gain	23.5 dBi V-Pol:24.5 ± 1 dBi H-Pol:23.5 ± 1 d	Bi	
Frequency range	4.9 - 5.875 GHz		



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 and are available in the  $\hat{a} \in \mathbb{R}$ -Dolicies $\hat{a}$