

4.9-5.875 GHz Dual Polarized/Dual Slant Antenna & Enclosure

MA-WA56-DP25SBRF

MARS 4.9-5.875 GHz Dual Polarized Antenna & Enclosure Solution comprises of:

- Waterproof 4.9-5.875 GHz Dual Polarized Antenna
- Weatherproof Enclosure with provisions for Az/EI Mounting device
- Azimuth/Elevation Adjustable Mount MNT-22

This solution enables WISP/Integrator to design his own low cost, weatherized subscriber unit, saving high costs of special antenna-radio integration.



Antenna is available with N-Type, Female Connector.

Please specify while ordering following P/N:

MA-WA56-DP25NBRF

Specifications:

Electrical

Frequency range	4.9 - 5.875 GHz
Gain	23.5 dBi V-Pol:24.5 $\hat{\pm}$ 1 dBi H-Pol:23.5 $\hat{\pm}$ 1
VSWR, max.	1.7:1
3 dB Beam-Width, H-Plane, typ.	7 $^{\circ}$ -9
3 dB Beam-Width, E-Plane, typ.	7 $^{\circ}$ -9
Side Lobes, min.	ETSI TS3, TS4, TS5
Polarization	Linear, Vertical and Horizontal
Cross Polarization,typ.	-25dB
Port to Port Isolation	- 30 dB
Front to Back Ratio, min.	ETSI TS3, TS4, TS5
Input power, max	5 Watt
Input Impedance	50 Ohm
Lightning Protection	DC Grounded

Mechanical

Dimensions (HxWxD)	370 x 370 x 40 mm (14.5" x14.5" x1.6")
Weight	2.6 (with Enclosure) kg
Connector	2 x SMA, Female
Back Plane	Aluminum; protected through chemical passivation
Radome	UV Protected Polycarbonate
Mount	<u>MNT-22</u>

Environmental

Operating Temperature Range	- 40 $^{\circ}$ C to + 65 $^{\circ}$ 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
Service Life	>10 years

Ordering Options

Antenna Suited for MNT-22 (optional wall/pole adjustable mount)

MA-WA56-DP25SBRF

Ordering Options

Antenna with mount

MA-WA56-DP25SBRF B

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 "Policies" section.