

4.9-5.875 GHz Dual Polarized Antenna & Enclosure (26X26 cm)

MA-WA56-DP25SBRF

MARS 5 GHz Dual Polarized Antenna MARS 5GHz Antenna & Enclosure Solution comprises of:

- Waterproof 5 GHz Dual Polarized Antenna
- Weatherproof Enclosure (26X26 cm) with provisions for Az/El 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.



Specifications:

Electrical		
Frequency range		4.9 - 5.875 GHz
GAIN	V-Pol:	23.5 ± 1 dBi
	H-Pol:	24.5± 1 dBi
VSWR, max.		1.7 : 1
Polarization		Linear, Vertical & Horizontal
3 dB Beam-Width, H-Plane, typ.		7°- 9°
3 dB Beam-Width, E-Plane, typ.		7°- 9°
Side Lobes, min.		ETSI TS3, TS4, TS5
Cross Polarization, typ.		- 25 dB
Front to Back Ratio, min.		ETSI TS3, TS4, TS5
Port to Port Isolation, typ.		-30 dB
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")
Enclosure Int. Dimensions		260x 260 x 45 mm (10.2"x10.2"x1.8")
Connector		2 x SMA, Female
Weight		2.6 kg (with Enclosure)
Back Plane		Aluminum; protected through chemical passivation
Radome		UV Protected Polycarbonate
Mounting		See Ordering Options
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
Service Life		>10 years

* FOR PATTERNS PLEASE VISIT OUR WEBSITE

Ordering Options:

MA-WA56-DP25SBRF	Antenna with SMA, Female Connector and Enclosure suited for MNT-22
MA-WA56-DP25SBRFB	Antenna with SMA, Female Connector, Enclosure and mount

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