MA-WC56-DP17

4.9-6.1 GHz Dual Polarized Base Station Antenna, 60°

MARS 60° Broadband Dual Polarized Sector Antenna provides a cost effective solution for large scale WLL, WLAN, H-LAN, ISM, UNII, Public Safety, Municipal MESH Networks and Point-to-Multi-Point applications.

Additional Features:

- Stable performance with 17/18 dBi of gain.
- Compact size allowing easy blending with any environment.
- Tilt mount allowing quick and easy installation.
- UV protected radome suitable for harsh environment installations.

Specifications

Electrical		
Frequency range		4.9-6.1 GHz
GAIN, typ.	H-pol:	18 dBi
	V-pol:	17 dBi
VSWR, max.		1.7 : 1
Polarization		Dual, Vertical & Horizontal
3 dB Beam-Width, H-Plane, typ.		60°
3 dB Beam-Width, E-Plane, typ.		8°
Side Lobes, min.	H-pol:	ETSI EN 302 085 V1.2.3 – CS2
	V-pol:	ETSI EN 302 085 V1.2.3 – CS3
Cross Polarization, min.		-16 dB
Front to Back Ratio, min.		-30 dB
Port to Port Isolation, typ.		-40 dB
Input power, max.		10 Watt
Input Impedance		50 Ohm
Lightning Protection		DC Grounded
Mechanical		
Dimensions (HxWxD)		370 x 370 x 40 mm (14.5" x 14.5" x 1.6")
Weight		1.8 kg.
Connector (without enclosure)		2 x N-Type, Female
Connector (with enclosure)		2 x SMA
Back Plane		Aluminum protected through chemical passivation
Radome		UV Protected Polycarbonate
Enclosure - Large		287 x 287 x 68 mm. (External dimension)
Mount		See ordering options
Environmental		
Operating Temperature Range		-55°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
Ice and Snow		25mm radial (survival)

Ordering Options

MA-WC56-DP17	Antenna Suited for MNT-22 (optional wall/pole adjustable mount)
MA-WC56-DP17B	Antenna with MNT-22 mount
MA-WC56-DP17SMEL	Antenna with large enclosure, 2 x SMA Connectors and MNT-22
MA-WC56-DP17SMELZ	Antenna with large enclosure, 2 x SMA Connectors with PEMs and MNT-22

Patterns are available on our website

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