

5.15-5.875 GHz Dual Polarized Base Station Antenna, 120°

MA-WE56-DP12

MARS 120° Broadband Dual Polarized Sector Antenna



Additional Features

- stable performance with 12 dBi of gain
- compact size allowing for easy blending with any environment
- tilt mount allowing for quick and easy installation
- UV protected radome suitable for harsh environment installations

Specifications:

Electrical

Frequency range	5.15 - 5.875 GHz
Gain, typ.	12 dBi
VSWR, max.	1.7:1
3 dB Beam-Width, H-Plane, typ.	120 °
3 dB Beam-Width, E-Plane, typ.	15 °
Polarization	Dual Pole, Vertical and Horizontal
Cross Polarization, typ.	-15 dB
Port to Port Isolation	-20 dB
Front to Back Ratio, min.	-30 dB
Input power, max	10 Watt
Input Impedance	50 Ohm
Lightning Protection	DC Grounded

Mechanical

Dimensions (HxWxD)	200 x 200 x 33 mm (7.9" x 7.9" x 1.25")
Weight	1 kg
Connector	2 x N-Type, Female
Back Plane	Aluminum protected through chemical passivation
Radome	UV Protected, Plastic
Mount	<u>MNT-23</u>

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)
Ice and Snow	25mm radial (survival)
Salt Fog	According to IEC 68-2-11
Service Life	>10 years

Ordering Options

Antenna Suited for MNT-23 (optional wall/pole adjustable mount)	MA-WE56-DP12
Antenna with mount	MA-WE56-DP12 B