MARS ANTENNAS & RF SYSTEMS LTD.

MA-WE56-DP15

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

MARS *120° Broadband Dual Polarized Base station* Antenna.
Additional Features:

- Stable performance with 15 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	5.15-5.875 GHz
GAIN, typ.	14.5 dBi
VSWR, max.	1.7 : 1
Polarization	Dual, Vertical & Horizontal
3 dB Beam-Width, H-Plane, typ.	120°
3 dB Beam-Width, E-Plane, typ.	8°
Cross Polarization, typ.	-15 dB
Front to Back Ratio, min.	-30 dB
Port to Port Isolation, typ.	-25 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	2 kg.
Connector	2 x N-Type, Female
Back Plane	Aluminum protected through chemical passivation
Radome	UV Protected Polycarbonate
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-WE56-DP15	Antenna Suited for MNT-22 (optional wall/pole adjustable mount)
MA-WE56-DP15B	Antenna with MNT-22 mount