MARS ANTENNAS & RF SYSTEMS LTD.

RoHS COMPLIANT 2011/65/EU

MA-WC54-2DS17

4.9 – 6.1 GHz 2 x Dual Slant (2 x ±45°) Base Station Antenna, 65°

MARS wideband 65° sector antenna provides coverage for 4.9-6.1 GHz band with double dual-slant (±45°) in a single antenna radome with high aperture efficiency.

Additional Features:

- Wide coverage
- Total 4 outputs
- Pole or wall mounting
- A possibility of mounting Access Point upon antenna

Specifications

Electrical	
Frequency range	4.9 – 6.1 GHz
Gain	4 x 17 ± 0.5 dBi
VSWR, max.	1.7 : 1
Polarization	2 x Dual Slant ±45°
3dB Beam-Width, Azimuth, typ.	65°
3dB Beam-Width, Elevation, typ.	8°
Side Lobes, min.	-10 dB
Cross Polarization, typ.	-15 dB
Port to Port Isolation, typ.	-28 dB
Front to Back Ratio, min.	-35 dB
Input power, max.	10 Watt
Input Impedance	50 Ohm
Lightning Protection	DC Grounded
Mechanical	
Dimensions (HxW xD)	370 x 370 x 40 mm (14.5" x 14.5" x 1.6")
Weight	2 Kg.
Connector	4 x N-Type, Female
Back Plane	Aluminum protected through chemical passivation
Radome	UV Protected, Polycarbonate
Mount	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

Ordering Options

MA-WC54-2DS17	Antenna Suited for MNT-22 (optional wall/pole adjustable mount)
MA-WC54-2DS17B	Antenna with MNT-22 mount

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