MARS ANTENNAS & RF SYSTEMS LTD.

RoHS COMPLIANT 2011/65/EU

MA-WA57-QP4MIMO19

4.9-6.425 GHz Quad Polarization 4X4 MIMO Subscriber Antenna

Mars Quad Polarization antenna provides coverage of 4.9-6.425 GHz frequency band.
Additional Features:

- Specially designed for MIMO applications
- Lightweight and durable construction.
- UV Protected radome made of Polycarbonate.

Can be customized per customer requirements

802.11 ac standard applications approved

Specifications

Electrical	
Frequency range	4.9-6.425 GHz
GAIN	4.9-5.15 @ 4x18 dBi 5.15-6.425 @ 4x19 dBi
VSWR, max.	1.7 : 1
Polarization Quad Pole	Vertical, Horizontal & Dual Slant (±45°)
3 dB Beam-Width-Azimuth, typ.	19°
3 dB Beam-Width-Elevation, typ.	19°
Side Lobes, typ.	-12 dB
Front to Back Ratio, min.	-35 dB
Port to Port Isolation, min.	-34 dB
Input power, max.	10 Watt
Input Impedance	50 Ohm
Lightning Protection	DC Grounded
Mechanical	
Dimensions (HxWxD)	370 x 370 x 40 mm (14.6" x 14.6" x 1.5")
Connector	4 X N-type Female
Weight	2 kg.
Mounting	See Ordering Options
Radome	UV Protected Polycarbonate
Back Plane	Aluminum protected through chemical passivation
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

Ordering Options

MA- WA57-QP4MIMO19	Antenna 4 x N-Type Female connectors Suited for MNT-22 mount
MA- WA57-QP4MIMO19B	Antenna 4 x N-Type Female connectors with MNT-22 mount

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