

MA-WA55-4QP13

4.9-6.1 GHz Quad Polarization 4x4 MIMO Subscriber Antenna

Mars Quad Polarization antenna provides coverage of 4.9-6.1 GHz frequency Band.

Additional Features:

- Specially designed for MIMO applications
- Light weight 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	4.9-6.1 GHz
Gain, typ.	4 x 13 dBi
VSWR, max.	1.7 : 1
Polarization Quad Pole	Vertical, Horizontal & Dual Slant ($\pm 45^\circ$)
3dB Beam-Width, H-Plane, typ.	37°
3dB Beam-Width, E-Plane, typ.	37°
Side Lobes, min.	-10 dB
Cross Polarization, typ.	-13 dB
Front to Back Ratio, min.	-25 dB
Port to Port Isolation, min.	-34 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")
Connector	4 x RA SMA, Female
Weight	400 gr.
Mounting	See ordering options
Radome	UV Protected Polycarbonate
Back Plane	Aluminum protected through chemical passivation.

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
Ice and Snow	25mm radial (survival)

Ordering Options

MA-WA55-4QP13	Antenna Suited for MNT-23 (optional wall/pole adjustable mount)
MA-WA55-4QP13B	Antenna with MNT-23 mount

Patterns are available on our website

MARS Antennas & RF Systems proprietary information

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