MA-WA2455-QPMIMO

4.9 –6.0 GHz & 2.3 - 2.7 GHz Quad Polarizations MIMO

MARS Quad Polarization antenna provides coverage of 2.3-2.7 GHz frequency
Band and 4.9-6.0 GHz frequency band in a single antenna radome.
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		2.3 - 2.7 GHz & 4.9 - 6.0 GHz
GAIN, typ.	Vertical & Horizontal Pol	15.5 ± 1 dBi @ 4.9 – 6.0 GHz
	Dual Slant Pol. ± 45°	12 dBi @ 2.3 - 2.7 GHz
VSWR, max.		1.7 : 1
Polarization	Quad Pole	Vertical, Horizontal@4.9-6.0 GHz & Dual Slant@ 2.3 - 2.7 GHz
3 dB Beam-Width, Azimuth, typ.		Dual Slant: 38° ; V & H Pol @ 20°
3 dB Beam-Width, Elevation, typ.		Dual Slant: 38° ; V & H Pol @ 20°
Side Lobes, min.		-12 dB
Front to Back Ratio, min.		-30 dB
Isolation Between Bands		-30 dB
Input power, max		10 Watt
Input Impedance		50 Ohm
Lightning Protection		DC Grounded
Mechanical		
Dimensions (HxWxD)		305 x 305 x 15 mm.
Connector		4 x N-Type
Weight		1.5 Kg.
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

Ordering Options

MA- WA2455-QPMIMO	Antenna 4 x N-Type connectors Suited for MNT-22 mount
MA- WA2455-QPMIMOB	Antenna 4 x N-Type connectors with MNT-22 mount

3 Hamanor st. Holon 58861, P.O.Box 5 AZOR 58008, Israel
Tel: +972-3-5599661 • Fax: +972-3-5599677 • e-mail: mars@marsant.co.il • web: www.mars-antennas.com