MARS ANTENNAS & RF SYSTEMS LTD.

RoHS COMPLIANT 2011/65/EU

MA-WA36-DP21

3.3-3.8 GHz Dual Polarization/ Dual Slant Subscriber Antenna

MARS Broadband Dual Polarized Subscriber Antenna provides a cost effective solution for LTE & WiMAX applications.
Additional Features:

- Dual slant if mounted diagonally.
- Stable performance with 22 dBi of gain.
- Compact size allowing easy blending with any environment.
- Mount allowing quick and easy 45deg. turn installation.
- UV protected radome suitable for harsh environment installations.

Specifications

Electrical	
Frequency range	3.3-3.8 GHz
GAIN: H-Port & V-Port	22 dBi
VSWR, max.	1.7 : 1
Polarization — Dual Pole	Linear, Vertical & Horizontal
Polarization — Dual Slant (opt.)	±45°
3 dB Beam-Width, H-Plane, typ.	12°
3 dB Beam-Width, E-Plane, typ.	12°
Cross Polarization, max	ETSI TS3
Front to Back Ratio, max.	ETSI TS3
Side Lobes, min.	ETSI TS3
Port to Port Isolation, typ.	-35 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	2.1 kg.
Connector	See ordering options
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

Ordering Options

MA-WA36-DP21	Antenna with 2xSMA, Female Connector Suited for MNT-22
MA-WA36-DP21B	Antenna with 2xSMA, Female Connector and MNT-22 mount
MA-WA36-DP21N	Antenna with 2xN-Type, Female Connector suited for MNT-22
MA-WA36-DP21NB	Antenna with 2xN-Type, Female Connector and MNT-22 mount

Patterns are available on our website

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