

MA-WA38-DP14

3.5-4.2 GHz CBRS Dual Polarization/ Dual Slant Subscriber Antenna

MARS Broadband Dual Polarized Subscriber Antenna provides a cost effective solution for CBRS, LTE & WiMAX applications.

OnGo Certified System

Additional Features:

- Dual slant if mounted diagonally.
- Stable performance with 14 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 environmental conditions.



Specifications

Electrical

Frequency range	3.5-4.2 GHz
GAIN, typ.	14 ± 0.5 dBi
VSWR, max.	1.7 : 1
Polarization	Dual Pole Dual Slant (opt.)
	Linear, Vertical & Horizontal ±45° (Diamond Shape)
3 dB Beam-Width, H-Plane, typ.	32°
3 dB Beam-Width, E-Plane, typ.	28°
Side Lobes.	-10 dB
Cross Polarization, min.	-16 dB
Port to Port Isolation, min.	-30 dB
Front to Back Ratio.	-25 dB
Input power, max.	10 Watt
Input Impedance	50 Ohm

Mechanical

Dimensions (W x L x H)	200 x 200 x 33 mm (7.9" x 7.9" x 1.25")
Connector	See ordering options
Weight	400 gr.
Back Plane	Aluminum; protected through chemical passivation
Radome	UV Protected Polycarbonate
Mounting	See ordering options

Environmental

Operating Temperature Range	-55°C to +65°C
Vibration	According to IEC 60721-3-4
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-WA38-DP14	Antenna 2 x N-Type Female connectors Suited for MNT-23 mount
MA-WA38-DP14B	Antenna 2 x N-Type Female connectors with MNT-23 mount
MA-WA38-DP14SMES	Antenna 2 x SMA RA Female connectors, enclosure with MNT-22 mount

Patterns are available on our website

MARS Antennas & RF Systems proprietary information

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