

MA-WA38-DP25

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 environment installations.



Specifications

Electrical

Frequency range	3.5-4.2 GHz
GAIN, typ.	25 dBi
VSWR, max.	1.7 : 1
Polarization	Linear, Vertical & Horizontal
Dual Pole	
Dual Slant (opt.)	±45°
3 dB Beam-Width, H-Plane, typ.	8°
3 dB Beam-Width, E-Plane, typ.	8°
Side Lobes, typ.	-12 dB
Cross Polarization, max.	-20 dB
Front to Back Ratio, max.	-35 dB
Port to Port Isolation, max.	-30 dB
Input power, max.	10 Watt
Input Impedance	50 Ohm
Lightning Protection	DC Grounded

Mechanical

Dimensions (HxWxD)	600 x 600 x 22 mm (23.5" x 23.5" x 0.86")
Weight	4.7 kg.
Connector	2 x N-Type Female
Back Plane	Aluminum; protected through chemical passivation
Radome	UV Protected, Polycarbonate
Mount	See ordering options

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-WA38-DP25	Antenna Suited for MNT-60A (optional wall/pole adjustable mount)
MA-WA38-DP25B	Antenna with MNT-60A mount

MARS Antennas & RF Systems proprietary information

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