

MA-WA38-DP19

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 19 dBi of gain.
- Compact size allowing easy blending with any environment.
- Mount suitable for 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.	19 ± 0.5 dBi
VSWR, max.	1.7 : 1
Polarization	Dual Pole Dual Slant (opt.)
	Linear, Vertical & Horizontal ±45°
3 dB Beam-Width, H-Plane, typ.	17°
3 dB Beam-Width, E-Plane, typ.	17°
Cross Polarization, min.	-21 dB
Front to Back Ratio, min.	-35 dB
Side Lobes, min.	-12 dB
Port to Port Isolation, min.	-30 dB
Input power, max.	50 Watt
Input Impedance	50 Ohm
Lightning Protection	DC Grounded

Mechanical

Dimensions (HxWxD)	305 x 305 x 25 mm (12" x 12" x 1")
Weight	1.3 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	-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
Ice and Snow	25mm radial (survival)

Standard Compliance

ESTI TS3

Ordering Options

MA-WA38-DP19	Antenna with 2xN-Type, Female Connector Suited for MNT-22
MA-WA38-DP19B	Antenna with 2xN-Type, Female Connector and MNT-22 mount

Patterns are available on our website

MARS Antennas & RF Systems proprietary information

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