

## MA-WA35-2X-D

### 3.3-3.8 GHz Subscriber Antenna for LTE & WiMAX Applications

MARS High Gain Diamond shaped Antenna, covering from 3.3 GHz to 3.8 GHz, is specially designed for LTE & WiMAX applications.

Additional Features:

- Diamond shape for very low side lobes level.
- Meets and exceeds ETSI TS2 standards.
- Ruggedized for harsh outdoor condition.
- Customized back plane and different connector configurations.
- Aesthetic and unobtrusive profile.



## Specifications

### Electrical

Frequency range	3.3-3.8 GHz
GAIN, min.	18 dBi
VSWR, max.	1.5 : 1
Polarization	Linear, Vertical (Horizontal with MNT-2 Option)
3 dB Beam-Width, H-Plane, typ.	18°
3 dB Beam-Width, E-Plane, typ.	14°
Side Lobes, min.	-17 dB
Cross Polarization, min.	-17 dB
Front to Back Ratio, min.	-30 dB
Input power, max.	30 Watt
Input Impedance	50 Ohm
Lightning Protection	DC Grounded

### Mechanical

Dimensions (HxWxD)	305 x 305 x 15 mm (12" x 12" x 0.6")
Weight	840 gr.
Connector	N-Type, Female / Coaxial Cable RD 316 with MCX Connector
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
Ice and Snow	25mm radial (survival)

### Standard Compliance

ETSI EN 302 085 V1.2.3 – TS1, TS2

## Ordering Options

MA-WA35-2XD PM	Antenna with integral Pole Mount includes stainless steel brackets
MA-WA35-2XD MNT	Antenna Suited for MNT-22 (optional wall/pole adjustable mount)
MA-WA35-2XD MNTB	Antenna with MNT-22 mount

Patterns are available on our website

MARS Antennas & RF Systems proprietary information

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