

MA-WA36-19

3.3-3.8 GHz Subscriber Antenna

MARS 3.5 GHz Antenna suited for the licensed 3.5GHz band is specially designed for LTE & WiMAX applications.

Additional Features:

- Aesthetic and unobtrusive profile.
- Suitable for both indoor and outdoor applications.
- Can be customized with customer defined back plane and different connector configurations.



Specifications

Electrical

Frequency range	3.3-3.8 GHz
GAIN, min.	3.3-3.7 @ 19 dBi 3.7-3.8 @ 18 dBi
VSWR, max.	1.5 : 1
Polarization	Linear, Vertical
3 dB Beam-Width, H-Plane, typ.	16°
3 dB Beam-Width, E-Plane, typ.	16°
Cross Polarization, max	ETSI EN 302 085 v1.2.3 TS2 Range 1
Front to Back Ratio, max.	ETSI EN 302 085 v1.2.3 TS2 Range 1
Side Lobes, min.	ETSI EN 302 085 v1.2.3 TS2 Range 1
Input power, max.	10 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
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-65
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 TS2 Range 1

Ordering Options

MA-WA36-19	Antenna Suited for MNT-22 (optional wall/pole adjustable mount)
MA-WA36-19B	Antenna with MNT-22 mount

Patterns are available on our website

MARS Antennas & RF Systems proprietary information

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