MARS ANTENNAS & RF SYSTEMS LTD.

RoHS COMPLIANT 2011/65/EU

MA-WA35-12

3.5 GHz Subscriber Antenna

MARS Small Size Antenna covering the licensed band of 3.5 GHz is designed for LTE, WiFi, WLL and WiMAX applications.
Additional Features:

- High gain/size ratio.
- Small and unobtrusive profile.
- Suitable for both indoor and outdoor applications.

Specifications

Electrical	
Frequency range	3.3-3.8 GHz
GAIN, typ.	12 dBi
VSWR, max.	1.5 : 1
Polarization	Linear, Vertical or Horizontal (See Ordering Options)
3 dB Beam-Width, H-Plane, typ.	35°
3 dB Beam-Width, E-Plane, typ.	30°
Side Lobes, min.	-11 dB
Cross Polarization, min.	-15 dB
Front to Back Ratio, min.	-20 dB
Input power, max.	10 Watt
Input Impedance	50 Ohm
Lightning Protection	DC Grounded
Mechanical	
Dimensions (HxWxD)	155 x 155 x 28 mm (6.1" x 6.1" x 1.1")
Weight	250 gr.
Connector	SMA, Female (At the Bottom of the Antenna)
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
Flammability	UL94
Water Proofing	IP-67
Humidity	ETS 300 019-1-4, EN 302 085 (annex A.1.1)
Standard Compliance	
ETSI EN 302 085 V1.2.3 – TS1	

Ordering Options

MA-WA35-12	Antenna with SMA Female Connector suited for MNT-4L, MNT-4U or MNT-4G
MA-WA35-12B	Antenna with SMA Female Connector and mount
MA-WA35-12N	Antenna with SMA, Female Connector Suited for MNT-23 (optional wall/pole adjustable mount)
MA-WA35-12NB	Antenna with SMA, Female Connector and mount MNT-23
MA-WA35-12N & MNT-23H	Antenna with SMA Female Connector and MNT-23H for horizontal polarization

Patterns are available on our website

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