

## MA-WA24-12

### 2.4-2.7 GHz Small Size Subscriber Antenna

MARS 2.4 GHz Antenna is a wide band antenna designed for LTE, Wi-Fi, LAN, MMDS, WLL and WiMAX applications.

Additional Features:

- Exceptionally efficient performance.
- High gain/size ratio.
- Aesthetic design.
- Weatherized and durable.



### Specifications

#### Electrical

Frequency range	2.4-2.7 GHz
GAIN, typ.	12 dBi
VSWR, max.	1.7 : 1
Polarization	Linear, Vertical or Horizontal (See Ordering Options)
3 dB Beam-Width, H-Plane, typ.	40°
3 dB Beam-Width, E-Plane, typ.	40°
Side Lobes, min.	-13 dB
Cross Polarization, min.	-15 dB
Front to Back Ratio, min.	-16 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	See Ordering Options
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)

### Ordering Options

MA-WA24-12	Antenna with SMA Female Connector suited for MNT-4L or MNT-4U
MA-WA24-12BL	Antenna with SMA Female Connector and MNT-4L mount
MA-WA24-12BU	Antenna with SMA Female Connector and MNT-4U mount
MA-WA24-12NTF	Antenna with N-Type, Female Connector Suited for MNT-23 (optional wall/pole adjustable mount)
MA-WA24-12NTFB	Antenna with N-Type, Female Connector and MNT-23 mount
MA-WA24-12NTF & MNT-23H1	Antenna with N-Type, Female Connector and MNT-23H1 for horizontal polarization

Patterns are available on our website

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