

## MA-WA57-3HG1

### 4.9-6.5 GHz Small Size Subscriber Antenna, High Gain

MARS Small Size High Gain Antenna covers the full 5 GHz spectrum band including its unlicensed part.

Additional Features:

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



## Specifications

### Electrical

Frequency range	4.9-6.5 GHz
GAIN, typ.	4.9-5.15 @ 18 dBi 5.15-6.5 @ 19 dBi
VSWR, max.	1.7 : 1
Polarization	Linear, Vertical or Horizontal (See Ordering Options)
3 dB Beam-Width, H-Plane, typ.	19.5°
3 dB Beam-Width, E-Plane, typ.	19.5°
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.	50 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
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)

## Ordering Options

MA-WA57-3HG1	Antenna with N-Type, Female Connector Suited for MNT-23 (optional wall/pole adjustable mount)
MA-WA57-3HG1B	Antenna with N-Type, Female Connector and MNT-23 mount
MA-WA57-3HG1 & MNT-23H	Antenna with N-Type, Female Connector and MNT-23H for horizontal polarization
MA-WA57-3HGS1	Antenna with SMA Female Connector suited for MNT-22
MA-WA57-3HGS1B	Antenna with SMA Female Connector and MNT-22 mount

Patterns are available on our website

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