

5 GHz Small Size Subscriber Antenna, High Gain

MA-WA57-3HG1

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



Ordering Options:

MA-WA57-3HGS1

Antenna with SMA Female suited for MNT-23

Specifications:

Electrical

Frequency range	4.9 - 6.5 GHz
Gain, typ.	18 dBi @4.9-5.15, 19 dBi@5.15-6.5
VSWR, max.	1.5:1
3 dB Beam-Width, H-Plane, typ.	19.5 °
3 dB Beam-Width, E-Plane, typ.	19.5 °
Side Lobes, min.	ETSI EN 302 085 v1.2.3 TS2 Range 1
Polarization	Linear, Vertical or Horizontal
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
Input power, max	50 Watt
Input Impedance	50 Ohm
Lightning Protection	DC Grounded

Mechanical

Dimensions (HxWxD)	155 x 155 x 28 mm (6.1"x6.1"x1")
Weight	250 gr.
Connector	N-Type, Female / SMA Female
Back Plane	Aluminum protected through chemical passivation
Radome	UV Protected Polycarbonate

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)
Ice and Snow	25mm radial (survival)
Salt Fog	According to IEC 68-2-11
Service Life	>10 years

Standard Compliance

ETSI EN 302 085 v1.2.3 TS2 Range 1

Ordering Options

Antenna with N-Type, Female Connector Suited for MNT-23 (optional wall/pole adjustable mount)	MA-WA57-3HG1
Antenna with mount	MA-WA57-3HG1 B

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