

5 GHz Small Size Subscriber Antenna, High Gain

-MA-WA57-3HG

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 - 5.88 GHz
Gain, min.	18 dBi 4.9 - 5.15 @ 16 dBi 5.15 - 5.875 @ 18 dBi
VSWR, max.	5.15 - 5.875 @ 1.5 : 1 4.9 - 5.15 @ 1.8 : 1
3 dB Beam-Width, H-Plane, typ.	21 °
3 dB Beam-Width, E-Plane, typ.	19 °
Side Lobes, min.	-12 dB
Polarization	Linear, Vertical (Horizontal with MNT-2 Option)
Cross Polarization	-20 dB
Front to Back Ratio, min.	-30 dB
Input power, max	30 Watt
Input Impedance	50 Ohm
Lightning Protection	DC Grounded

Mechanical

Dimensions (HxWxD)	150 x 150 x 26 mm (5.9"x 5.9"x 1")
Weight	240 gr.
Connector	N-Type, Female/ SMA Female (See Ordering Options)
Back Plane	Aluminum; protected through chemical passivation
Radome	UV Protected, Plastic
Mount	MNT-2

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

Standard Compliance

ETSI EN 302 085 V1.2.3 â€“ TS1, TS2

Ordering Options

Antenna with SMA Female Connector suited for MNT-2

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