

MA-WA48-23

4.4-5.1 GHz High Gain Vertical or Horizontal Polarized Antenna

Antenna Features:

- Efficient and stable performance.
- High gain/size ratio.
- Light weight and durable construction.
- UV protected radome made of polycarbonate suitable for harsh weather installations.



Specifications

Electrical

Frequency range	4.4-5.1 GHz
Gain	23 dBi
VSWR, max.	1.7 : 1
Polarization	Linear, Vertical or Horizontal
3 dB Beam-Width, H-Plane, typ.	10°
3 dB Beam-Width, E-Plane, typ.	10°
Side Lobes, min.	-12 dB
Cross Polarization, min.	-20 dB
Front to Back Ratio, min.	-35 dB
Port to Port Isolation, typ	-35 dB
Input power, max	10 Watt
Input Impedance	50 Ohm
Lightning Protection	DC Grounded

Mechanical

Dimensions (HxWxD)	370 x 370 x 40 mm (14.5" x 14.5" x 1.6")
Connector	N-Type Female
Weight	1.8 Kg
Mounting	See ordering options
Radome	UV Protected, Polycarbonate
Back Plane	Aluminum protected through chemical passivation

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

Standard Compliance

ETSI EN 302085 V1.2.3-TS3

Ordering Options

MA-WA48-23	Antenna Suited for MNT-22 (optional wall/pole adjustable mount)
MA-WA48-23B	Antenna with MNT-22 mount

Patterns are available on our website

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