





MA-WA52-DP19

4.4 – 6.1 GHz Dual Polarization Dual Slant Subscriber Antenna

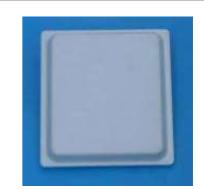
MARS 5 GHz Dual Polarized Antenna designed to provide full coverage for the 5 GHz frequency band.

Additional Features:

- Dual slant if mounted diagonally.
- · Efficient and stable performance.
- · High gain/size ratio.
- · Lightweight and durable construction.
- UV protected radome made of polycarbonate suitable for harsh weather installations.

MARS 5 GHz Dual Polarized Antenna & Enclosure Solution comprises of waterproof 5 GHz Dual Polarized Antenna and weatherproof enclosure with provisions for Az/El Mounting device.

This solution enables WISP/Integrator to design his own low cost, weatherized subscriber unit, saving high costs of special antenna-radio integration.



Specifications	
Electrical	
Frequency range	4.4 – 6.1 GHz
Gain	19 ± 1 dBi
VSWR typ. max.	1.7: 1 2.0: 1
Polarization Dual pole	Linear, Vertical & Horizontal
3dB Beam-Width, H-Plane, typ.	180
3dB Beam-Width, E-Plane, typ.	180
Side Lobes, typ. min.	-12 dB -10 dB
Cross Polarization, typ.	-20 dB
Front to Back Ratio, min.	-35 dB
Port to Port Isolation, typ. min.	-30 dB -20 dB
Input power, max.	10 Watt
Input Impedance	50 Ohm
Lightning Protection	DC Grounded
Mechanical	
Dimensions (HxWxD)	200 x 200 x 40 mm (7.9" x 7.9" x 1.6")
Connector	2 x 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	-55°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

Ordering Options	
MA-WA52-DP19	Antenna 2 x N-Type Female connectors Suited for MNT-23 mount
MA-WA52-DP19B	Antenna 2 x N-Type Female connectors with MNT-23 mount

MARS Antennas & RF Systems proprietary information

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