

MA-WA55-DP30

5.1 – 5.9 GHz High Gain, Dual Polarized Directional Antenna

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

Additional Features:

- Efficient and stable performance with exceptionally high gain over the entire frequency band.
- High gain/size ratio.
- Durable construction.
- UV protected radome suitable for harsh weather installations.



Specifications

Electrical

Frequency range	5.1 – 5.9 GHz
Gain, typ.	30.5 dBi
VSWR, max.	max. 2.0 : 1 typ. 1.7 : 1
Polarization	Dual Polarization V&H
3 dB Beam-Width, H-Plane, typ.	3.5°
3 dB Beam-Width, E-Plane, typ.	3.5°
Side Lobes, typ.	-12 dB
Cross Polarization, typ.	-25dB
Front to Back Ratio, min.	-40 dB
Port to Port Isolation, min.	-25 dB
Input power, max.	10 Watt
Input Impedance	50 Ohm
Lightning Protection	DC Grounded

Mechanical

Dimensions (HxWxD)	724 x 724 x 30 mm (28.5" x 28.5" x 1.2")
Weight	7.2 kg
Connector	2 x SMA Right Angle, Female
Back Plane	Aluminum protected through chemical passivation
Radome	UV Protected Plastic
Mount	MNT-60A

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

MARS Antennas & RF Systems proprietary information

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