

MA-WA67-DP30

6-7.1 GHz High Gain Dual Polarized Subscriber Antenna

MARS 6.5 GHz Dual Polarized Antenna designed to provide full coverage for the 6-7.1 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	6-7.1 GHz
GAIN, typ.	29.5 ± 1 dBi
VSWR, max.	2.0 :1 @ 6-6.4 GHz 1.7 :1 @ 6.4-7.1 GHz
Polarization	Dual pol Linear, Vertical & Horizontal
3 dB Beam-Width, H-Plane, typ.	4°
3 dB Beam-Width, E-Plane, typ.	4°
Side Lobes, typ.	-12 dB
Cross Polarization, typ.	-25 dB
Front to Back Ratio, typ.	-50 dB
Port to Port Isolation, typ.	-30 dB
Input power, max.	10 Watt
Input Impedance	50 Ohm
Lightning Protection	DC Grounded

Mechanical

Dimensions (HxWxD)	600 x 600 x 30 mm (23.5"x 23.5"x1.2")
Weight	4.5 kg
Connector	2 x N-Type, Female
Back Plane	Aluminum protected through chemical passivation
Radome	UV Protected, Polycarbonate
Mount	See ordering options

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

Ordering Options

MA-WA67-DP30	Antenna Suited for MNT-60 (optional wall/pole adjustable mount)
MA-WA67-DP30B	Antenna with MNT-60 mount

Mars Antennas & RF Systems proprietary information

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