

MA-WA65-DP24

5.9-7.2 GHz Dual Polarized Directional Antenna

MARS 6-7 GHz Broadband High Gain Antenna covers newly approved 5.9-7.2 GHz band.

Additional Features:

- Exceptionally high gain.
- Light weight and durable construction.
- DC grounded for lightning protection.
- Easy mounting allowing Az/EI adjustment.

UV protected radome suitable for harsh environment installations



Specifications

Electrical

Frequency range	5.9-7.2 GHz
Gain, typ. (Without Cable)	24 ± 1 dBi
VSWR, max.	2 : 1
Polarization	Linear, Vertical & Horizontal
Dual Pole	± 45° (Diamond Shape)
Dual Slant (optional)	
3 dB Beam-Width, H-Plane, typ.	8.5°
3 dB Beam-Width, E-Plane, typ.	8.5°
Side Lobes, typ.	-12 dB
Cross Polarization, max.	-15 dB
Port to Port Isolation, typ.	-25 dB
Front to Back Ratio, max.	-35 dB
Input power, max.	10 Watt
Input Impedance	50 Ohm
Lightning Protection	DC Grounded

Mechanical

Dimensions (HxWxD)	305 x 305 x 30 mm (12"x 12"x 1.2")
Connector	2 x N-Type Female
Weight	1.35 Kg
Back Plane	Aluminum ; protected through chemical passivation
Radome	UV Protected Polycarbonate
Mounting	MNT-22

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-WA65-DP24	Antenna Suited for MNT-22 (optional wall/pole adjustable mount)
MA-WA65-DP24B	Antenna with MNT-22 mount

Mars Antennas & RF Systems proprietary information

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