

## MA-WA78-DP24

### 7.125 – 8.5 GHz Dual Polarization/Dual Slant Subscriber Antenna

Mars 7.125- 8.5 GHz Dual Polarized Antenna designed to provide full coverage for the 7.5 GHz frequency band. Suitable for special uses  
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 environmental conditions.



### Specifications

#### Electrical

Frequency range	7.125 – 8.5 GHz
Gain, typ.	24 dBi
VSWR, max.	1.7: 1
Polarization	Dual Pole Dual Slant (opt.)
	Linear, Vertical & Horizontal $\pm 45^\circ$ (diamond shape)
3dB Beam-Width, H-Plane, typ.	7°
3dB Beam-Width, E-Plane, typ.	7°
Side Lobes, min.	-10 dB
Cross Polarization, typ.	-20 dB
Front to Back Ratio, min.	-35 dB
Port to Port Isolation, min.	-27 dB
Input power, max.	10 Watt
Input Impedance	50 Ohm
Lightning Protection	DC Grounded

#### Mechanical

Dimensions (HxWxD)	305 x 305 x 15 mm ( 12"x 12"x1.6")
Connector	2 x Right Angle SMA Female Connector
Weight	900 gr.
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-WA78-DP24	Antenna suited for MNT-22 Mount
MA-WA78-DP24B	Antenna with MNT-22 Mount

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