

## MA-WD78-DP17

### 7.125 – 8.5 GHz Dual Polarization Base Station Antenna, 90°

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

Additional Features:

- Efficient and stable performance.
- High gain/size ratio.
- Lightweight and durable construction.

UV protected radome made of polycarbonate suitable for harsh weather environment.



## Specifications

### Electrical

Frequency range	7.125 – 8.5 GHz
Gain, typ.	16.5 dBi
VSWR, max.	1.7 : 1 typ, 2 : 1 max
Polarization	Dual Pole
	Linear, Vertical & Horizontal
3dB Beam-Width, Azimuth, typ.	90°
3dB Beam-Width, Elevation, typ.	6°
Side Lobes, typ.	-10 dB
Cross Polarization, typ.	-18 dB
Front to Back Ratio, min.	-30 dB
Port to Port Isolation, min.	-30 dB
Input power, max.	10 Watt
Input Impedance	50 Ohm
Lightning Protection	DC Grounded

### Mechanical

Dimensions (HxWxD)	370 x 370 x 40 mm ( 14.5"x 14.5"x1.6")
Connector	2 x N-type
Weight	2 Kg
Mounting	MNT-22
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

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