

## MA-WD10-DP14

### 10.15-10.65 GHz Dual Polarized Base Station Antenna, 90°

MARS 90° Broadband Dual Polarized Sector Antenna designed to provide coverage for 10.15-10.65 GHz frequency band

Features:

- Stable performance
- Compact size allowing for easy blending with any environment
- Tilt mount allowing for quick and easy installation
- UV protected radome suitable for harsh environment installations



## Specifications

### Electrical

Frequency range	10.15-10.65 GHz
GAIN, typ.	14.5 dBi
VSWR, max.	2 : 1
Polarization	Dual Vertical & Horizontal
3 dB Beam-Width, Az-Plane, typ.	90°
3 dB Beam-Width, El-Plane, typ.	10°
Side Lobe Level, typ.	-12 dB
Cross Polarization, typ.	-15 dB
Front to Back Ratio, min.	-30 dB
Port to Port Isolation, min.	-40 dB
Input power, max	10 Watt
Input Impedance	50 Ohm
Lightning Protection	DC Grounded

### Mechanical

Dimensions (HxWxD)	380 x 75 x 80 mm (15" x 3" x 3.1")
Weight	400 gr.
Connector	2 x N-Type, Female
Back Plane	Aluminum protected through chemical passivation
Radome	UV Protected, Plastic
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-65
Humidity	ETS 300 019-1-4, EN 302 085 (annex A.1.1)
Salt Fog	According to IEC 68-2-11

## Ordering Options

MA-WD10-DP14	Antenna Suited for MNT-23 (optional wall/pole adjustable mount)
MA-WD10-DP14B	Antenna with MNT-23 mount

Patterns are available on our website

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