

## MA-WC25-DP14

### 2.3-2.7 GHz Dual Polarized Base Station Antenna, 60°

MARS 60° Base Station Antenna with 14 dBi of gain is light-weight yet has a robust and durable construction.

Antenna Features:

- Quick and easy installation.
- Small, aesthetic and unobtrusive radome.
- Easily adapted to any RF connector.
- Easy mounting allows obtaining required down tilt

degree. Applications:

- Point-to-Multi-Point Systems.
- WLL applications.
- MMDS.
- ISM applications.



### Specifications

#### Electrical

Frequency range	2.3-2.7 GHz
GAIN, typ.	14 dBi
VSWR, max.	1.7 : 1
Polarization, Dual Pole	Linear, Vertical & Horizontal
3 dB Beam-Width, Az-Plane, typ.	60°
3 dB Beam-Width, El-Plane, typ.	16°
Side Lobes, min.	-12 dB
Cross Polarization, min.	-15 dB
Port to Port Isolation, min.	-35 dB
Front to Back Ratio, min.	-25 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" x 1.6")
Connector	2 x N-Type, Female
Weight	1.8 Kg.
Back Plane	Aluminum; protected through chemical passivation
Radome	UV Protected Polycarbonate
Mounting	See ordering options

#### 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-WC25-DP14	Antenna Suited for MNT-22 (optional wall/pole adjustable mount)
MA-WC25-DP14B	Antenna with MNT-22 mount

MARS Antennas & RF Systems proprietary information

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