

3.3-3.8 GHz Dual Slant WiMAX Base Station Antenna, 90°

-MA-WD35-DS15

MARS Dual Slant Base Station Antenna is light-weight yet has a robust and durable construction.

Additional Features:

- specially designed for WiMAX applications
- quick and easy installation
- easy mounting allows to obtain required downtilt
- suitable for harsh environment installations
- DC grounded

Applications:

- WiMAX - licensed band applications
- Point-to-Multi Point Applications
- WLL applications



Specifications:

Electrical

Frequency range	3.3 - 3.8 GHz
Gain,typ.	15 dBi
VSWR, max.	1.7:1
3 dB Beam-Width, H-Plane, typ.	90 °
3 dB Beam-Width, E-Plane, typ.	8 ° Down Tilt: 2°
Polarization	Dual Polarized $\hat{A}\pm 45\text{deg}$
Port to Port Isolation	- 30 dB
Front to Back Ratio	-20 dB
Input power, max	50 Watt
Input Impedance	50 Ohm
Lightning Protection	DC Grounded

Mechanical

Dimensions (HxWxD)	600 x 225 x 40 mm (23.6â€•x8.9â€•x1.6â€•)
Weight	1.8 kg
Connector	2 x N-Type, Female (bottom)
Back Plane	Aluminum protected through chemical passivation
Radome	UV Protected Plastic
Mount	<u>MNT-22</u>

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)
Ice and Snow	25mm radial (survival)
Salt Fog	According to IEC 68-2-11
Service Life	>10 years

Standard Compliance

ETSI EN 302 085 V1.2.3 â€“ CS1

Ordering Options

Antenna with mount	MA-WD35-DS15 B
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