

3.3-3.8 GHz Sector Antenna for WiMAX Applications,120°

- MA-WE36-15

MARS 120° 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.	14.5 dBi
VSWR, max.	1.7:1
3 dB Beam-Width, H-Plane, typ.	120 °
3 dB Beam-Width, E-Plane, typ.	9 °
Side Lobes, min.	ETSI EN 302 085 V1.2.3-CS1
Polarization	Linear Vertical
Cross Polarization, min.	ETSI EN 302 085 V1.2.3-CS1
Front to Back Ratio, min.	ETSI EN 302 085 V1.2.3-CS1
Input power, max	50 Watt
Input Impedance	50 Ohm
Lightning Protection	DC Grounded

Mechanical

Dimensions (HxWxD)	573 x 95 x 53 mm (22.6" x3.7" x 2.1")
Weight	700 gr.
Connector	N-Type, Female
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-67
Humidity	ETS 300 019-1-4, EN 302 085 (annex. A.1.1)
Ice and Snow	25 mm 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

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