

MA-WD36-MIMO3

3.3-3.8 GHz, 15dBi Dual Polarized Antenna Array, 90°

Antenna Features:

- 3 columns dual slant antenna arrays.
- Total 6 outputs.
- Quick and easy installation.
- Easy mounting allows obtain required down tilt.
- Suitable for harsh environment installations.
- DC grounded.

Applications:

- Licensed band applications.
- Point-to-Multi Point Applications.
- WLL applications.



Specifications

Electrical

Frequency range	3.3-3.8 GHz
GAIN, min.	6 x 15 dBi
VSWR, max.	1.8 : 1
Polarization	Dual Slant $\pm 45^\circ$
3 dB Beam-Width, H-Plane, typ.	90°
3 dB Beam-Width, E-Plane, typ.	8°
Side Lobes, min. Elevation Plane	-12 dB
Azimuth Plane	-20 dB
Cross Polarization Discrimination, typ.	-20 dB
Port to Port Isolation, min.	20 dB
Front to Back Ratio, min.	30 dB
Array Element Spacing	136 mm (1.5 λ on 3.3 GHz)
Input power, max.	5 Watts average, 50 Watts peak
Input Impedance	50 Ohm
Lightning Protection	DC Grounded

Mechanical

Dimensions (HxWxD)	800 x 600 x 40 mm (31.5" x 23.6" x 1.6")
Weight	6.5 kg.
Connector	6 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
Ice and Snow	25mm radial (survival)

Ordering Options

MA-WD36-MIMO3	Antenna Suited for MNT-25 (optional tilt mount)
MA-WD36-MIMO3B	Antenna with MNT-25 mount

Patterns are available on our website

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