MA-WE12-DP11

1.2-1.45 GHz Dual Polarization Base Station Antenna, 120°

MARS 120° Dual Polarization Base Station Antenna with 10±1 dBi of gain is lightweight yet has a robust and durable construction.

Antenna Features:

- Quick and easy installation.
- Aesthetic and unobtrusive radome.
- Easily adapted to any RF connector.
- Easy mounting allowing obtaining required down tilt degree.

Applicable Applications:

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

Specifications

Electrical	
Frequency range	1.2-1.45 GHz
GAIN,	10±1dBi
VSWR, max.	2 : 1
Polarization Dual Pole	Linear, Vertical and Horizontal
3 dB Beam-Width, Azimuth, typ.	120°
3 dB Beam-Width, Elevation, typ.	20°
Side Lobes, min.	-10 dB
Port to Port Isolation, min.	-30 dB
Front to Back Ratio, min.	-24 dB
Input power, max.	50 Watt
Input Impedance	50 Ohm
Lightning Protection	DC Grounded
Mechanical	
Dimensions (HxWxD)	1446x 248 x 113 mm (56.9" x 9.7" x 4.5")
Weight	4.6 kg.
Connector	2 x N-Type, Female
Back Plane	Aluminum protected through chemical passivation
Radome	UV Protected, Plastic
Mount	MNT-25
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

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