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2.3-2.7 GHz Base Station Antenna, 90°

MA-WD24-15

MARS 90° Base Station Antenna with 15.5 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 to obtain required downtilt degree

Applicable Applications:

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



| Specifications: | |
|--------------------------------|--|
| Electrical | |
| Frequency range | 2.3 - 2.7 GHz |
| Gain, typ. | 15.5 dBi |
| VSWR, max. | 1.7:1 |
| 3 dB Beam-Width, H-Plane, typ. | 90 ° |
| 3 dB Beam-Width, E-Plane, typ. | 8 ° |
| Side Lobes, min. | -13 dB |
| Polarization | Linear Vertical |
| Cross Polarization, min. | -20 dB |
| Front to Back Ratio, min. | -24 dB |
| Input power, max | 50 Watt |
| Input Impedance | 50 Ohm |
| Lightning Protection | DC Grounded |
| Mechanical | |
| Dimensions (HxWxD) | 800x 120 x 65 mm (31.5"x4.7"x2.6") |
| Weight | 1.2 kg |
| Connector | N-Type, Female |
| Back Plane | Aluminum; protected through chemical passivation |
| Radome | UV Protected, Plastic |
| Mount | MNT-5 |
| 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 | 25 mm radial (survival) |
| Salt Fog | According to IEC 68-2-11 |
| Service Life | > 10 years |
| Standard Compliance | |
| ETSI EN 301 525 v1.1.1 | |

Specifications subject to change without notice