

MA-WA65-DP19

6-7 GHz Dual Polarization Subscriber Antenna

MARS 6-7 GHz Dual Polarized subscriber Antenna designed to provide full coverage for the 6 GHz frequency band.

Additional Features:

- Efficient and stable performance.
- High gain/size ratio.
- Light weight and durable construction.
- UV protected radome made of polycarbonate suitable for harsh weather installations.



Specifications

Electrical

| | |
|---------------------------------|---|
| Frequency range | 6-7 GHz |
| GAIN | 19 ± 1 dBi |
| VSWR, max. | 1.7 : 1 |
| Polarization | Dual Pole Dual Slant (opt.) |
| | Linear, Vertical & Horizontal Dual Slant ± 45° |
| 3 dB Beam-Width-Azimuth, typ. | 16° |
| 3 dB Beam-Width-Elevation, typ. | 16° |
| Side Lobes, typ. | -10 dB |
| Cross Polarization, min. | -15 dB |
| Front to Back Ratio, min. | -30 dB |
| Port to Port Isolation, min. | -30 dB |
| Input power, max. | 10 Watt |
| Input Impedance | 50 Ohm |
| Lightning Protection | DC Grounded |

Mechanical

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|--------------------|---|
| Dimensions (HxWxD) | 200 x 200 x 33 mm (7.9" x 7.9" x 1.25") |
| Connector | 2 x N-Type, Female |
| Weight | 380 gr. |
| Mounting | See Ordering Options |
| Radome | UV Protected Polycarbonate |
| Back Plane | Aluminum protected through chemical passivation |

Environmental

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|-----------------------------|---|
| Operating Temperature Range | -55°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) |
| Salt Fog | According to IEC 68-2-11 |

Ordering Options

| | |
|---------------|--|
| MA-WA65-DP19 | Antenna 2 x N-Type Female connectors Suited for MNT-23 mount |
| MA-WA65-DP19B | Antenna 2 x N-Type Female connectors with MNT-23 mount |

Mars Antennas & RF Systems proprietary information

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