

MA-WA78- DP26

7.125 – 8.5 GHz Dual Polarization/Dual Slant Subscriber Antenna

Mars 7.125- 8.5 GHz Dual Polarized Antenna designed to provide full coverage for the 7.5 GHz frequency band. Suitable for special uses.

Additional Features:

- Dual slant if mounted diagonally.
- Efficient and stable performance.
- High gain/size ratio.
- Lightweight and durable construction.
- UV protected radome made of polycarbonate suitable for harsh weather environment.



Specifications

Electrical

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|-------------------------------|---|
| Frequency range | 7.125 – 8.5 GHz |
| Gain, typ. | 26 ± 1 dBi |
| VSWR, max. | 1.7: 1 typ. ; 2: 1 max |
| Polarization | Dual Pole |
| | Dual Slant (opt.) |
| 3dB Beam-Width, H-Plane, typ. | Linear, Vertical & Horizontal ±45° (diamond shape) |
| 3dB Beam-Width, E-Plane, typ. | 6° |
| Side Lobes, min. | 6° |
| Cross Polarization, typ. | -10 dB |
| Front to Back Ratio, min. | -20 dB |
| Port to Port Isolation, min. | -35 dB |
| Input power, max. | -27 dB |
| Input Impedance | 10 Watt |
| Lightning Protection | 50 Ohm |
| | DC Grounded |

Mechanical

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| Dimensions (HxWxD) | 370 x 370 x 40 mm (14.5"x 14.5"x1.6") |
| Connector | 2 x N-Type Female Connector |
| Weight | 2Kg |
| 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-WA78-DP26 | Antenna suited for MNT-22 Mount |
| MA-WA78-DP26B | Antenna with MNT-22 Mount |

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