

MA-WA18-DP18

1750-1850 MHz Dual Polarization/ Dual Slant Subscriber Antenna

Additional Features:

- Dual slant if mounted diagonally.
- Efficient and stable performance.
- High gain/size ratio.
- Light weight and durable construction.
- UV protected radome made of polycarbonate suitable for harsh weather installations.
- Easy mounting allowing Az/EI adjustment and 45deg. turn installation.



Specifications

Electrical

| | |
|--------------------------------|----------------------------------|
| Frequency range | 1.75-1.85 GHz |
| GAIN, typ. | 17 dBi |
| VSWR, max. | 1.7 : 1 |
| Polarization | Dual Pole, Vertical & Horizontal |
| 3 dB Beam-Width, H-Plane, typ. | 23° |
| 3 dB Beam-Width, E-Plane, typ. | 23° |
| Side Lobes, min. | -12 dB |
| Cross Polarization, min. | -15 dB |
| Port to Port Isolation, typ. | -25 dB |
| Front to Back Ratio, min. | -20 dB |
| Input power, max. | 10 Watt |
| Input Impedance | 50 Ohm |
| Lightning Protection | DC Grounded |

Mechanical

| | |
|--------------------|--|
| Dimensions (HxWxD) | 370 x 370 x 40 mm (14.6" x 14.6" x 1.5") |
| Connector | 2 x N-Type Female |
| Weight | 2.1 kg. |
| Back Plane | Aluminum; protected through chemical passivation |
| Radome | UV Protected Polycarbonate |
| Mounting | 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-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-WA18-DP18 | Antenna Suited for MNT-22 (optional wall/pole adjustable mount) |
| MA-WA18-DP18B | Antenna with MNT-22 mount |

Patterns are available on our website

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