

MA-WE91-7H

915 MHz Horizontally Polarized Sector Antenna, 120°

MARS 120° Horizontally Polarized Sector Antenna provides a robust and efficient solution for Point-to-Multi-Point applications using 915 MHz band, in spectrally crowded areas in this band.

Antenna Features:

- Stable and reliable performance for high interference environments.
- Features horizontal polarization with 11 dBi of gain.
- Light-weight and durable construction.
- Suitable for harsh environment installations.
- DC grounded.
- Easy mounting allowing obtain required down tilt degree with the optional MNT-25 mount.



Specifications

Electrical

| | |
|---|--------------------|
| Frequency range | 902-928 MHz |
| GAIN, min. | 11 dBi |
| VSWR, max. | 1.7 : 1 |
| Polarization | Linear, Horizontal |
| 3 dB Beam-Width, Horizontal Plane, typ. | 120° |
| 3 dB Beam-Width, Elevation Plane, typ. | 15° |
| Input power, max. | 10 Watt |
| Input Impedance | 50 Ohm |
| Lightning Protection | DC Grounded |

Mechanical

| | |
|--------------------|---|
| Dimensions (HxWxD) | 1200 x 330 x 105 mm (47.2" x 13" x 4.1") |
| Weight | 4.5 kg. |
| Connector | N-Type, Female |
| Back Plane | Aluminum protected through chemical passivation |
| Radome | UV Protected Plastic |
| Mount | See ordering options |

Environmental

| | |
|-----------------------------|---|
| Operating Temperature Range | -40°C to +70°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 |
| Ice and Snow | 25mm radial (survival) |

Ordering Options

| | |
|-------------|---|
| MA-WE91-7H | Antenna Suited for MNT-25 (optional tilt mount) |
| MA-WE91-7HB | Antenna with MNT-25 mount |

Patterns are available on our website

MARS Antennas & RF Systems proprietary information

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