

## MA-IS91-R1

### 915 MHz RFID Reader Antenna

MARS 915 MHz Antenna is designed for Point-to-Multipoint systems using the ISM 915 MHz band.

Additional features:

- High efficiency.
- Superb co-siting performance due to low SSL and high F/B rejection.
- Unobtrusive, blends easily with the environment.
- Optionally available with Pole Mount or MNT-22 (pole/wall, azimuth and elevation adjustable mount).



### Specifications

#### **Electrical**

Frequency range	902-928 MHz
GAIN, typ.	10 dBi
VSWR, max.	1.5 : 1
Polarization	RHCP
3 dB Beam-Width, Horizontal, typ.	75°
3 dB Beam-Width, Vertical, typ.	55°
Front to Back Ratio, typ.	-20 dB
Input power, max.	10 Watt
Input Impedance	50 Ohm
Lightning Protection	DC Grounded

#### **Mechanical**

Dimensions (HxWxD)	305 x 305 x 25 mm (12" x 12" x 1")
Weight	1.2 kg.
Connector	N-Type, Female
Back Plane	Aluminum; protected through chemical passivation
Radome	UV Protected Polycarbonate
Mount	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
Ice and Snow	25mm radial (survival)

### Ordering Options

MA-IS91-R1 PM	Antenna with integral Pole Mount includes stainless steel brackets
MA-IS91-R1 MNT	Antenna Suited for MNT-22 (optional wall/pole adjustable mount)
MA-IS91-R1 MNTB	Antenna with MNT-22 mount

Patterns are available on our website

MARS Antennas & RF Systems proprietary information

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