

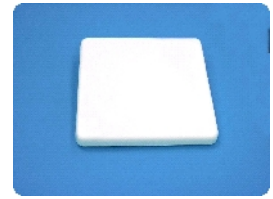
915 GHz Subscriber Antenna

MA-IS91-T2

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 high crosspol rejection
- unobtrusive, blends easily with the environment
- optionally available with Pole Mount or MNT-2 (pole/wall, azimuth and elevation adjustable mount)



Specifications:

Electrical

Frequency range	902 - 928 MHz
Gain, min.	10.5 dBi
VSWR, max.	1.5:1
3 dB Beam-Width, H-Plane, typ.	55 °
3 dB Beam-Width, E-Plane, typ.	60 °
Side Lobes, min.	-20 dB
Polarization	Linear, Vertical (Horizontal with MNT-2 Option)
Cross Polarization, min.	-17 dB
Front to Back Ratio, min.	-27 dB
Input power, max	10 Watt
Input Impedance	50 Ohm
Lightning Protection	DC Grounded

Mechanical

Dimensions (HxWxD)	305 x 305 x 30 mm (12"x12"x1.2")
Weight	1.3 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)
Ice and Snow	25 mm radial (survival)
Salt Fog	According to IEC 68-2-11
Service Life	> 10 years

Ordering Options

Antenna with integral Pole Mount includes stainless steel brackets	MA-IS91-T2 PM
Antenna Suited for MNT-22 (optional wall/pole adjustable mount)	MA-IS91-T2 R MNT