

MA-IS91-T2

915 MHz Subscriber Antenna

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

Additional features:

- High efficiency.
- Superb co-sitting performance due to high crosspol 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, min.	10.5 dBi
VSWR, max.	1.5 : 1
Polarization	Linear, Vertical (Horizontal with MNT-22 Option)
3 dB Beam-Width, H-Plane, typ.	55°
3 dB Beam-Width, E-Plane, typ.	60°
Side Lobes, min.	-20 dB
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 25 mm (12" x 12" x 1")
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)
Salt Fog	According to IEC 68-2-11
Ice and Snow	25mm radial (survival)

Ordering Options

MA-IS91-T2 PM	Antenna with integral Pole Mount includes stainless steel brackets
MA-IS91-T2 MNT	Antenna Suited for MNT-22 (optional wall/pole adjustable mount)
MA-IS91-T2 MNTB	Antenna with MNT-22 mount
MA-IS91-T2C (*)	Antenna Suited for MNT-22 (optional wall/pole adjustable mount)
MA-IS91-T2CB (*)	Antenna with MNT-22 mount

(*) Approved by MOTOROLA for CANOPY 915 MHz System

Patterns are available on our website

MARS Antennas & RF Systems proprietary information

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3 Hamanor st. Holon 5886103, P.O.Box 1852 Holon 5811801, Israel

Tel: +972-3-5599661 • Fax: +972-3-5599677 • e-mail: mars@marsant.co.il • web: www.mars-antennas.com