MARS ANTENNAS & RF SYSTEMS LTD.

RoHS COMPLIANT 2011/65/EU

MA-IS91-DS10

902-928 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-siting performance due to high cross pol 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	10.5 ± 0.5 dBi
VSWR, max.	1.7: 1
Polarization Dual Slant	±45°
3dB Beam-Width, H-Plane, typ.	46°
3dB Beam-Width, E-Plane, typ.	46°
Side Lobes, min.	-16 dB
Port to Port Isolation, typ.	-30 dB
Front to Back Ratio, min.	-16 dB
Input power, max.	20 Watt
Input Impedance	50 Ohm
Lightning Protection	DC Grounded
Mechanical	
Dimensions (HxWxD)	370 x 370 x 40 mm (14.5" x 14.5" x 1.6")
Connector	2 x N-Type
Weight	2 kg.
Mounting	See ordering options
Radome	UV Protected Polycarbonate
Back Plane	Aluminum protected through chemical passivation.
Environmental	
Operating Temperature Range	-55ºC to +65ºC
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-IS91-DS10	Antenna Suited for MNT-22
MA-IS91-DS10B	Antenna with MNT-22 mount

MARS Antennas & RF Systems proprietary information
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