



MA-WC910-RHCP11

860-960 MHz Circular Polarization, RFID Reader Antenna

The RFID antenna from MARS is an innovative antenna that adds flexibility to the RFID system.

MA-WA910-RHCP11 antenna covers the standard 902-928 MHz RFID frequency, as well as a wide frequency band of 860-960 MHz with a RHCP circular polarization, low VSWR and axial ratio.

The antenna is designed for Point-to-Multipoint systems.

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	860 - 960 MHz					
GAIN, typ.	11 dBic					
VSWR, max.	1.7 : 1					
Polarization	RHCP					
3 dB Beam-Width, H-Plane, typ.	45°					
3 dB Beam-Width, E-Plane, typ.	45°					
Front to Back Ratio, typ.	-20 dB					
Axial Ratio, typ.	- 4 dB (5 dB max.)					
Input power, max.	10 Watt					
Input Impedance	50 Ohm					
Lightning Protection	DC Grounded					
Mechanical						
Dimensions (HxWxD)	370 x 370 x 40 mm (14.56" x 14.56" x 1.57")					
Weight	0.5 kg.					
Connector	N-Type, Female					
Back Plane	Aluminum protected through chemical passivation					
Radome	UV Protected, Polycarbonate					
Mount	MNT-22					
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)					

MARS Antennas & RF Systems proprietary information

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