



The 9 dBi UHF Monostatic Antenna has great performance, resistance and a good design. Approved in various tests, it can be used indoors and outdoors, with stainless steel and aluminum metal parts. It can be used with any ACURA UHF RFID reader that uses monostatic antennas.

Frequency	902-928 MHz
Gain	9 dBi
VSWR	1,3:1 (max.)
Beam opening at 3dBm	63° (horizontal), 63° (vertical)
Polarization	RHCP (circular)
Axial Ratio	902-928 MHz @ 3,5 dB (max.)
F/B ratio	-20 dB (typical), -18 dB (max.)
Input Impedance	50 (Ohm)
Power input	6 W (max.)
Electrical protection	Placed on DC ground
Certifications	RoHS, CE 0682

Environmental	
Operating Temperature	-55°C a 71°C
Protection	IP67
Físicas	
Dimensions	305 x 305 x 25 mm
Weight	1,2 kg
Connector	TNC Reverse Female
Material	Plastic (front) and Aluminum (base)
Fixation	4 screw M5 x 18 mm



Endurance Test

Analysis	Standard	Duration	Temperature	Notes
Low Temperature	IEC 68-2-1	72 h	-51°C	
High Temperature	IEC 68-2-2	72 h	+71°C	
Relative humidity in their	ETSI EN300-2-4 T4.1E	144 h		95% 5 ciclos
Water and dust protection	IEC 529			IP67
Solar Radiation	ASTM G53	1000 h		
Flammability	UL 94			HB Class
Maresia	IEC 68-2-11 Ka	500 h		
Mechanical Shock	IEC 68-2-32	10 ms		4m3
	IEC 68-2-27	HALFSINE		

Irradiation

Irradiation Diagram in horizontally at 915 MHz

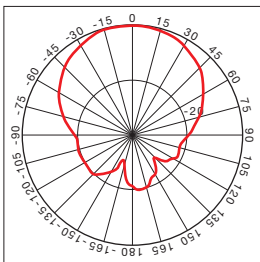
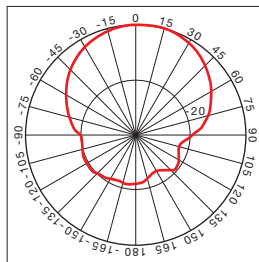
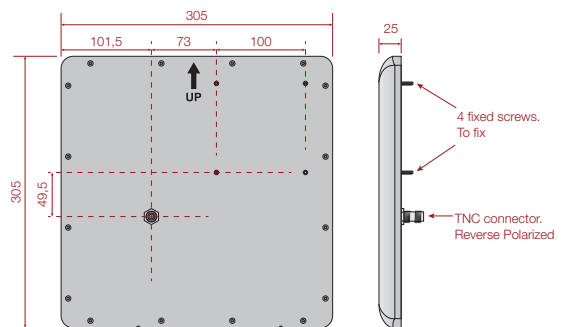


Diagrama de Irradiação na vertical at 915 MHz



Dimensions [mm]



Purchase Code:

500.505: Monostatic UHF Antenna 9 dBi

Accessories Code:

500.507: MTI BR Antenna Bracket (100mm)