



The 12.5 dBi Monostatic UHF Antenna has great performance, resistance and a great design. Approved in several tests, it can be used indoors and outdoors. Can be used with any ACURA UHF RFID reader that uses monostatic antennas.

| | |
|----------------------|---------------------------------|
| Frequency | 902-928 MHz |
| Gain | 12,5 dBi |
| VSWR | 1,7:1 (máx) |
| Beam opening at 3dBm | 42° |
| Polarization | Linear (vertical or horizontal) |
| Sidelobes Level | -19 dB (máx.) |
| Cross Polarization | -20 dB (máx) |
| F/B Ratio | -24 dB(máx) |
| Input impedance | 50 (Ohm) |
| Input power | 6 W (máx.) |
| Proteção | DC grounding |
| Certifications | RoHS, CE 0682 |

| | |
|-----------------------|-------------------------------------|
| Environmental | |
| Operating Temperature | -55°C to 71°C |
| Protection | IP67 |
| Physical | |
| Dimension | 450 x 450 x 36 mm (máx) |
| Weight | 3 kg |
| Connector | Type N female |
| Encapsulation | Plastic (front) and Aluminum (base) |
| Fixation | 4 M5 threads |

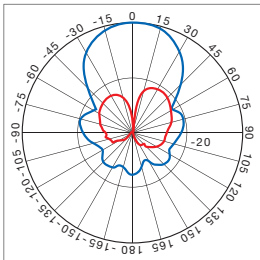


Environmental Test

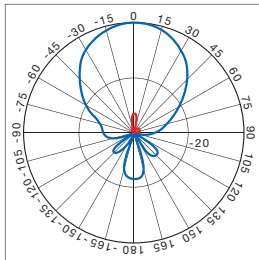
| Test | Pattern | Duration | Temperature | Notes |
|-----------------------------------|----------------------|-------------|-------------|--------------|
| Low temperature | IEC 68-2-1 | 72 h | -55°C | |
| High temperature | IEC 68-2-2 | 72 h | +71°C | |
| Relative humidity | ETSI EN300-2-4 T4.1E | 144 h | | 95% 5 cycles |
| Protection against water and dust | IEC 529 | | | IP67 |
| Solar radiation | ASTM G53 | 1000 h | | |
| Flammability | UL 94 | | | Class HB |
| Salt spray | IEC 68-2-11 Ka | 500 h | | |
| Vibration | IEC 60721-3-4 | 30 min/axis | | Random4M3 |
| Mechanical shock | IEC 60721-3-4 | | | 4M3 |

Irradiation

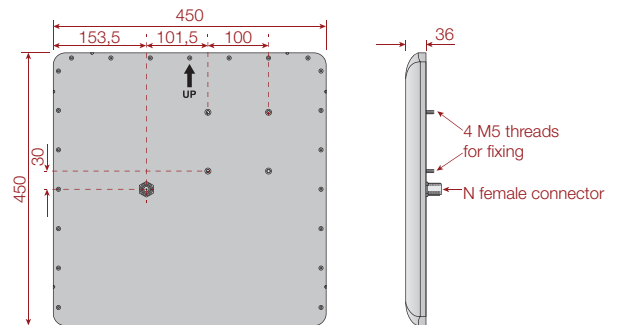
Horizontal Irradiation Diagram at 915 MHz



Vertical Irradiation Diagram at 915 MHz



Dimensions [mm]



Purchase Code:

500.506: Antena UHF Monoestática 12,5 dBi

Accessory Code:

500.507: Suporte Antena MTI