



CHARACTERISTICS

Panel-type Far Field antenna with circular polarization

- Operating Frequency: 900–930 MHz
- Polarization: right-hand circular
- Gain in Far Field: +8.5 dBiC (maximum)
- Beamwidth: $70^\circ \times 70^\circ$
- Maximum Input Power: 20 W

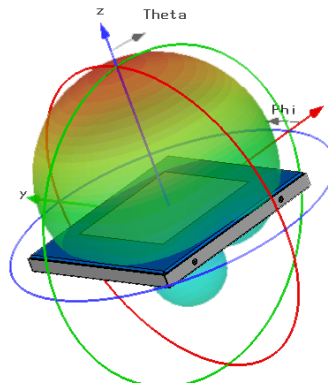
Applications

- General UHF RFID portals
- Goods movement control
- Logistics and distribution
- Personnel and vehicle access control
- Warehouses, hospitals, ports, airports, distribution centers, industry, libraries, schools, etc.

The Identix ANT85C7070 is a Far field RAIN RFID UHF antenna designed for applications requiring reading performance at various distances, such as portals, conveyor belts, metal cages, and other tracking solutions for moving objects or flow control.

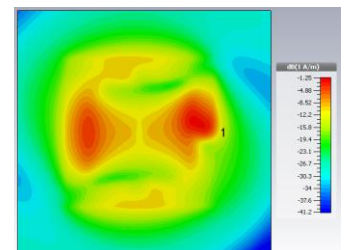
With circular polarization, the ANT85C7070 combines high gain, low axial ratio, and an intense Near Field magnetic field, providing excellent sensitivity and reliability in reading UHF tags, even in complex environments or with high volumes of items.

Its modern, compact, and lightweight design allows for easy installation in a wide variety of scenarios, including commercial establishments, industrial environments, hospitals, and logistics centers, making it a versatile and efficient choice for high-performance RFID projects.



Technical Specifications

- Operating Frequency: 900 MHz to 930 MHz
- Input Impedance: 50 Ohms
- Polarization: Circular
- Gain in Far Field: +8.5 dBiC
- Beamwidth: $70^\circ \times 70^\circ$
- VSWR: Less than 1.4:1 across the operating frequency range
- Axial Ratio: 0.6 dB at 915 MHz
- Front-to-Back Ratio: 20 dB
- Field Intensity in Near Field -1.25 dBA/m at 25 mm (maximum)
- Maximum Input Power: 20 W
- Connector: Female SMA
- Dimensions: $196 \times 196 \times 14$ mm
- Base: Aluminum
- Radome: ABS
- Protection Rating: IP64
- Weight: 300 g



Field Intensity in the Near Field

For more information, visit

identix.com