

BRA-73L Antenna

Product Model

BRA-73L Antenna

Product Features

Electrical Properties: Universal antenna suitable for UHF RFID applications, featuring high gain, low standing wave, ultra-wide bandwidth, etc.

Mechanical Properties: Beautiful appearance, designed with ultra-thin technology, excellent workmanship, and simple installation. It can be used with various types of UHF card readers to maximize the performance.

Main Applications

The BRA-73L antenna can be easily used in UHF RFID applications such as access control, warehousing, logistics, and retail.

Performance Specifications

Frequency Range: 860MHz~960MHz

VSWR: $\leq 1.3:1$

Gain: 9dBi

H side HPBW: 65°

E side HPBW: 65°

Polarization: Circular Polarization

Impedance: $50\ \Omega$

Mechanical Indicator

Dimensions: 220 mm*232.5 mm*20.2 mm

Weight: 0.3kg

Material: Aluminum F4B

Color: Silvery

Relative humidity: 5%~95%

Working temperature: $-40^{\circ}\text{C}\sim+85^{\circ}\text{C}$

Storage temperature: $-40^{\circ}\text{C}\sim+85^{\circ}\text{C}$

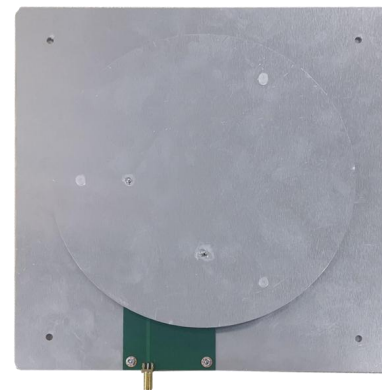


Figure 1. Antenna Photo

Dimensions

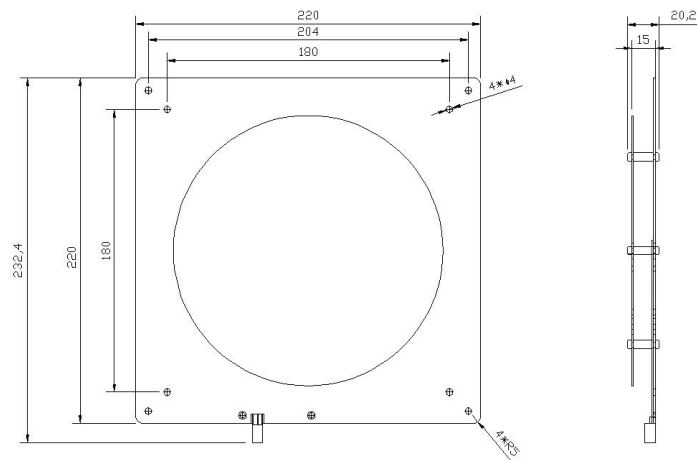


Figure 2. Installation dimensions diagram

Antenna Pattern

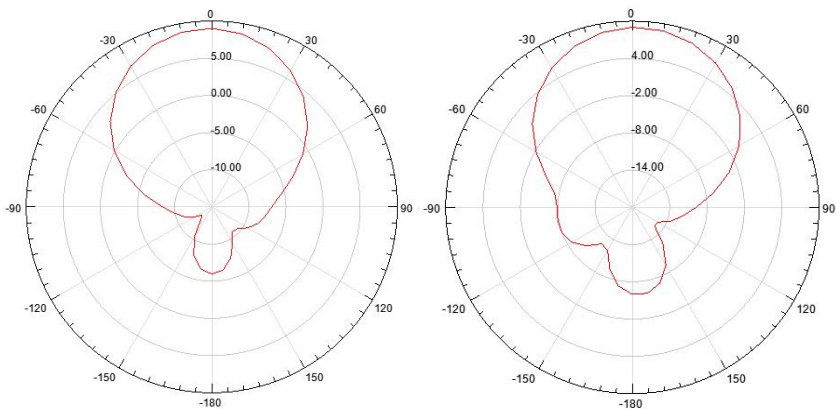


Figure 3. Antenna Pattern 2D ($\phi=0^\circ$) Figure 4. Antenna pattern 2D ($\phi=90^\circ$)

FAQ and Precautions

The BRA-73L antenna is a circularly polarized directional antenna. When using it, attention should be paid to adjusting the inclination of the antenna to obtain the best reading performance.

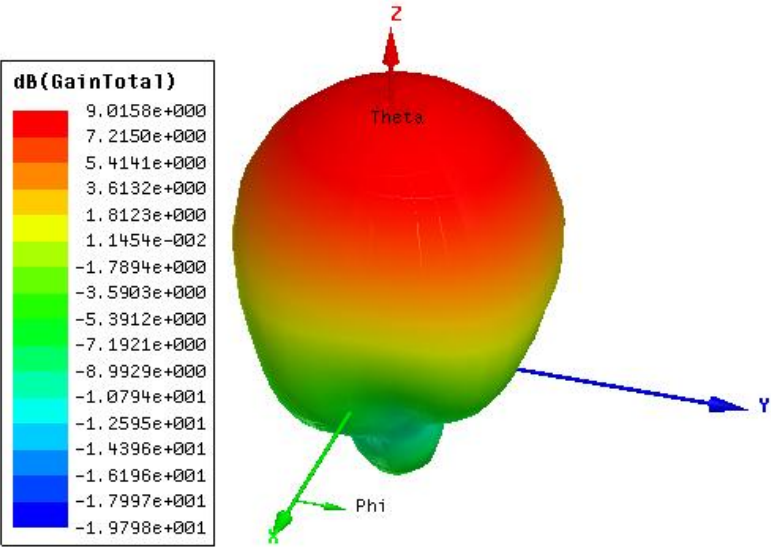


Figure 5. Antenna 3D pattern