

## BRA- 79 / BRA- 79 Pro Antenna

### Product Model

BRA-79 / BRA-79 Pro 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

BRA-79 / BRA-79 Proantenna can be easily used in UHF RFID applications such as access control, warehousing, logistics, and retail.

### Performance

Frequency range: 902 MHz ~ 928 MHz

VSWR:  $\leq 1.3:1$

Gain: 7.5 dBi

Beamwidth:  $45^{\circ} \times 100^{\circ}$  ( horizontal x vertical )

Polarization: Circular polarization

Relative humidity: 5% ~ 95%

Impedance: 50 $\Omega$

### Mechanical indicators

Dimensions: 352 mm x 146 mm x 16 mm

Weight: 0.5 kg

Material: Engineering plastic, FR4

Color: Picture color

IP Class: IP64

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

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

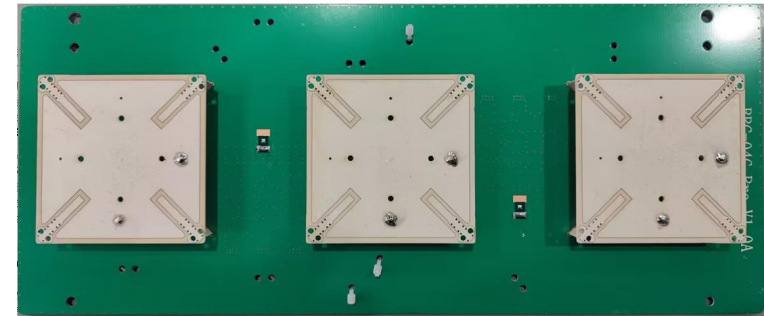


Figure 1. Antenna Photo

### Dimensions

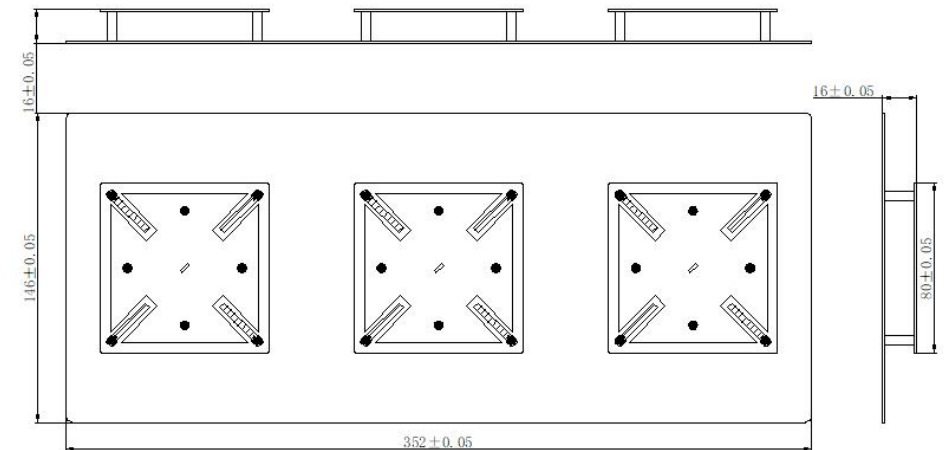
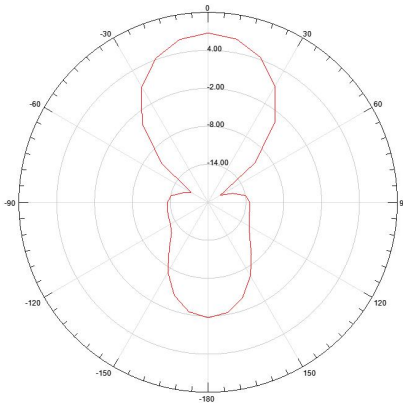
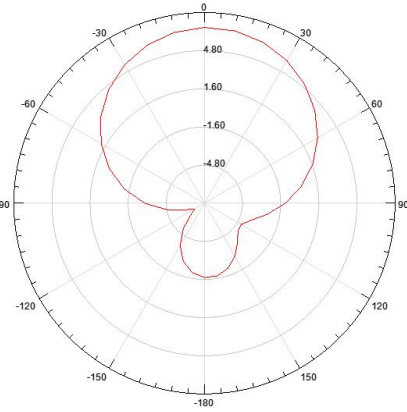


Figure 2. Installation dimensions diagram

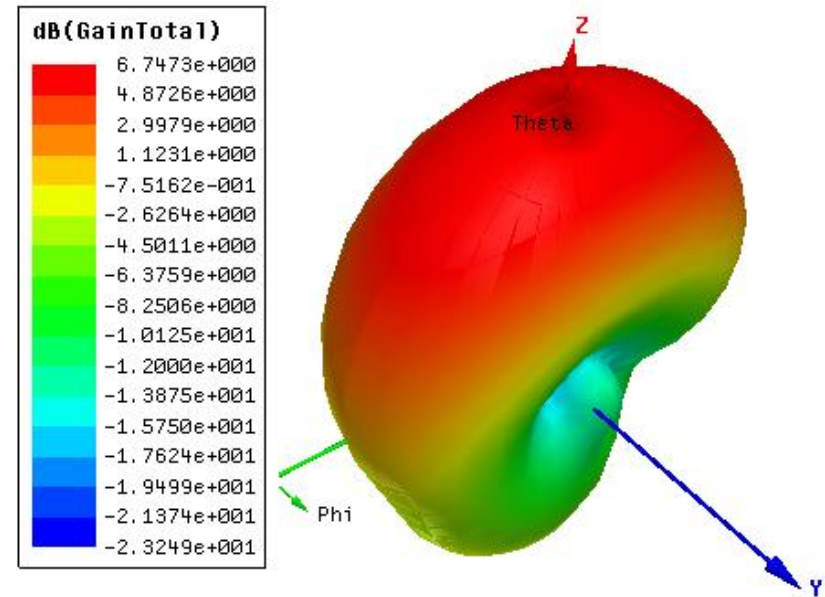
## Antenna Pattern



Antenna 2D pattern 1 (  $\phi=90^\circ$  )



Antenna 2D pattern 2 (  $\phi=0^\circ$  )



Antenna 3D pattern

## 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.