



## BRA-02D Antenna Specifications

### Product Model

BRA-02D Antenna

### Product Features

**Electrical performance:** Universal antenna for UHF band RFID applications with high gain, low standing wave and other characteristics.

**Mechanical properties:** Beautiful and compact appearance, waterproof ring and silicone double waterproof design, shell with reinforcement design, suitable for all kinds of harsh environment.

### Applications

BRA-02D antenna can be easily used in RFID applications in UHF band such as access control, warehousing, logistics and retail.

### Performance Specifications

Frequency: 840MHz~960MHz

VSWR:  $\leq 1.3:1$

Gain: 5.5dBi

H side HPBW:  $105^\circ$

E side HPBW:  $105^\circ$

Polarization: Circular Polarization

Relative humidity: 5%~95%

Impedance: 50  $\Omega$

Connector Position: Side

### Physical specifications

Size: 129mm×129mm×22mm

Weight: 0.3kg (bracket excluded)

Material: Engineering plastics ASA, aluminum

Color: Milk-white

IP Class: IP65

Operating Temperature:  $-40^\circ\text{C}\sim+85^\circ\text{C}$

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

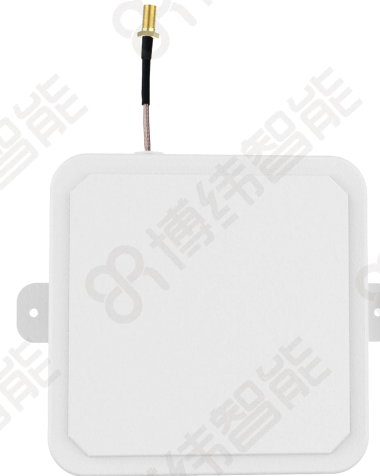
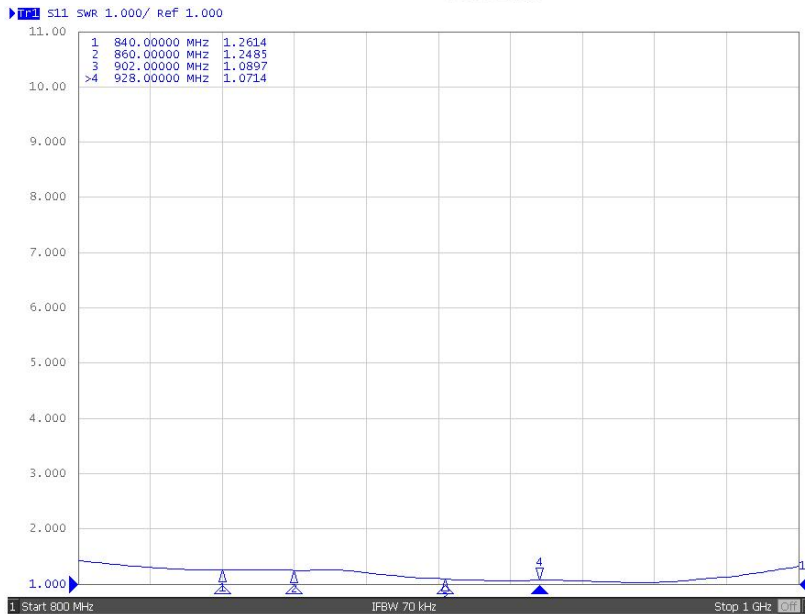
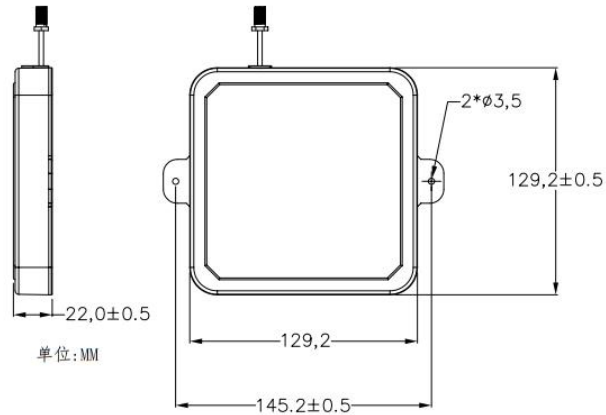


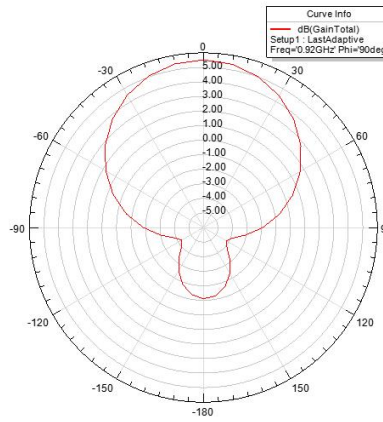
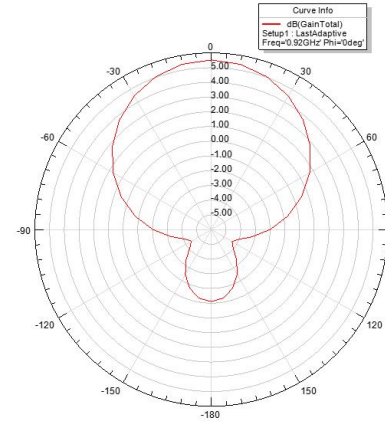
Figure 1. BRA-02D antenna



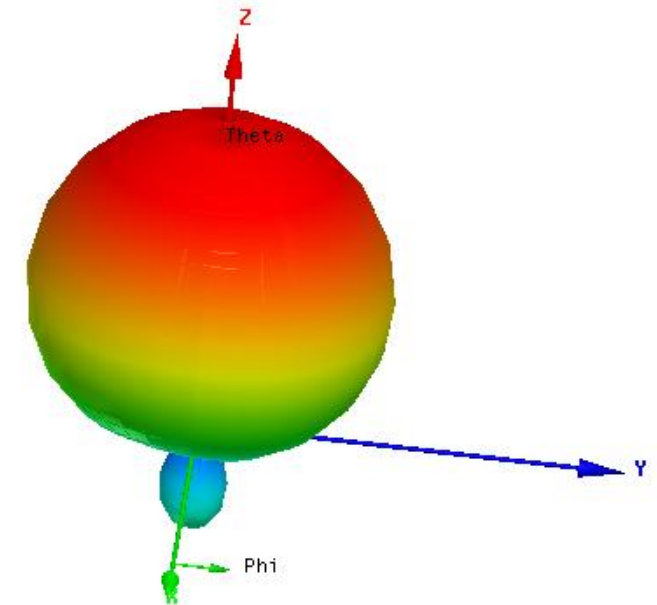
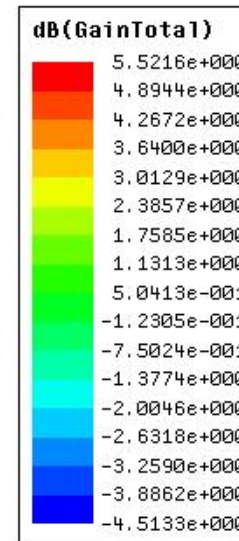
## Dimensions



BRA-02D Antenna VSWR Test Chart



## Antenna Parameter





## **FAQ and Cautions**

BRA-02D antenna is a circular polarization directional antenna, and the antenna inclination should be adjusted to obtain the best reading performance.

The BRA-02D antenna can be used outdoors, but is not suitable for use in acid/alkali environments.

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