



## 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°

E side HPBW: 105°

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°C~+ 85°C

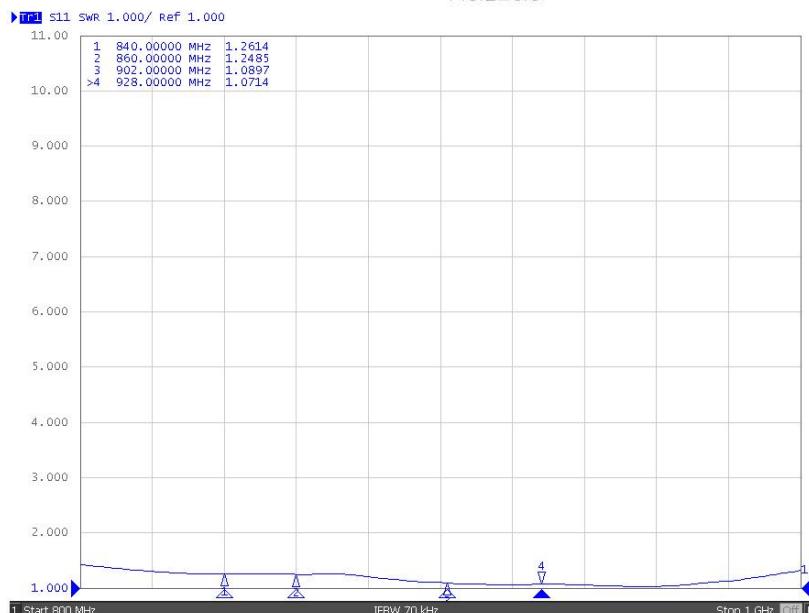
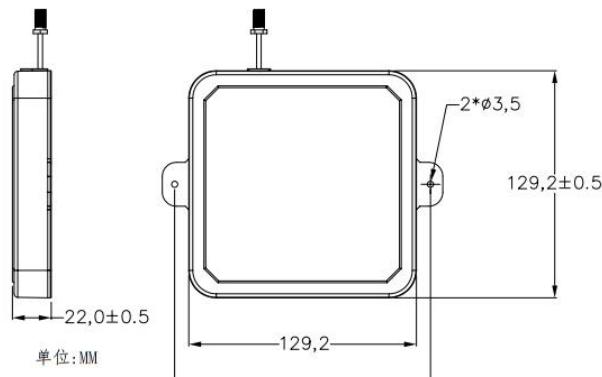
Storage Temperature: -40°C~+ 85°C



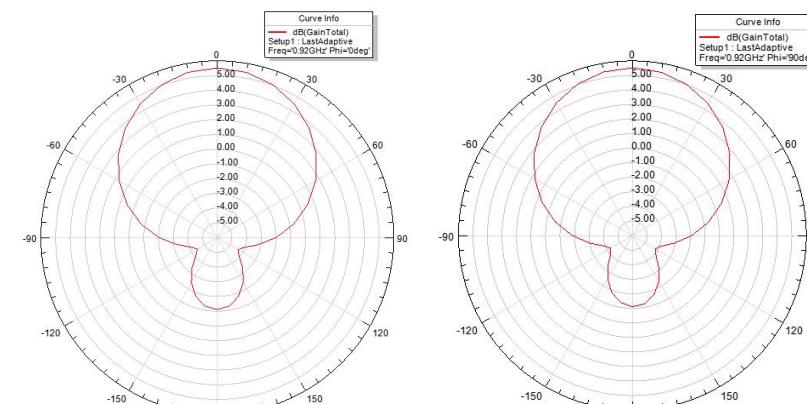
Figure 1. BRA-02D antenna



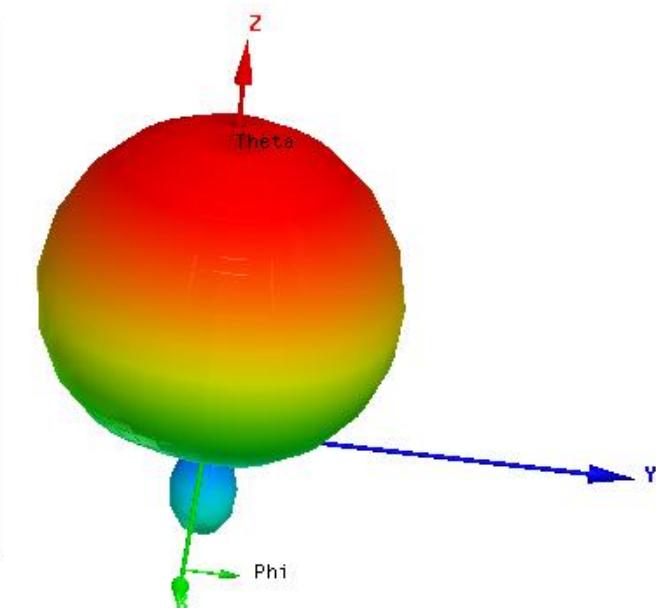
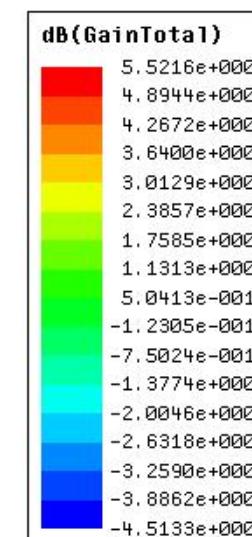
## Dimensions



BRA-02D Antenna VSWR Test Chart



## Antenna Parameter



Shenzhen Broadradio Ltd is a worldwide antennas and tags solution provider. With over 10 years of hands-on experience on every aspects of antennas and tags design, we offer complete antenna design capability from concept, prototyping, and production to tests. We understand that antennas have vastly different requirements for different applications; we have the know-how on material selection and design methods to meet different requirements for different needs. We are well equipped for new antenna development including UHF RFID ANTENNA and UHF RFID TAG. For any enquirers please email us via lyh@brrfid.com or phone us +86-755-26653596



## **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.

Manufacturer: Hatrida(Shenzhen)IOT Technology Co.,Ltd

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