

Product Specifications of BRA - 04 iAntenna

Product Model

BRA - 04 iHandheld Antenna

Product Function and Features

Electrical Properties: It is for UHF RFID handheld terminal applications with high gain and low VSWR.

Mechanical Properties: small size and suitable for various severe environments.

Product Applications

BRA-04 iAntenna is of convenient application in UHF RFID handheld terminals and other terminal application fields.

Performance Specifications

Frequency Range: 902MHz ~ 928MHz

VSWR: $\leq 1.3:1$

Gain: 1.8 dBi ~ 2.2 dBi

Polarization: Circular Polarization

Axial ratio < 3dB

Relative humidity: 5% ~ 95%

Impedance: $50 \pm 1 \Omega$

Connector Type: SMA (IPX optional)

Mechanical Specifications

Size: 50mm × 50mm × 8mm

Weight: 35g

Material: Ceramic, FR4

Color: White

Production Class: Indoor use only

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

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

Type of Antenna: Integral Antenna

Address: B108 and B115, Building B, Fuhai Technology Industrial Park, Huafeng Zhigu,
Fuhai Street, Bao'an District, Shenzhen



Figure 1. Antenna Photo

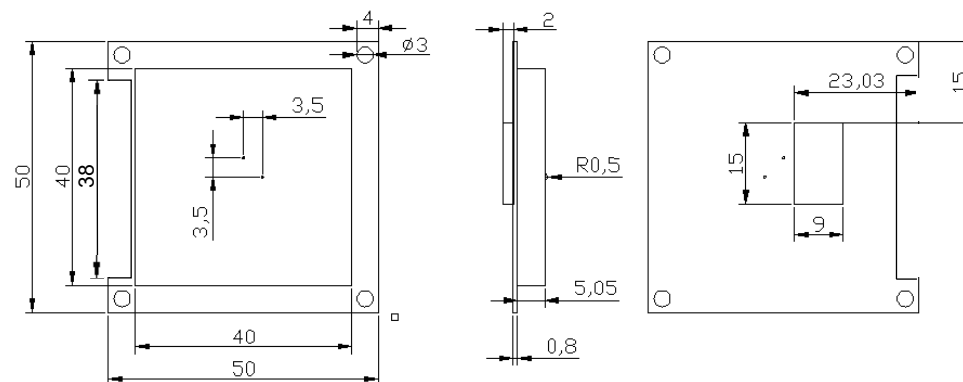


Figure 2. Antenna Dimensions

Antenna Pattern and S Parameter

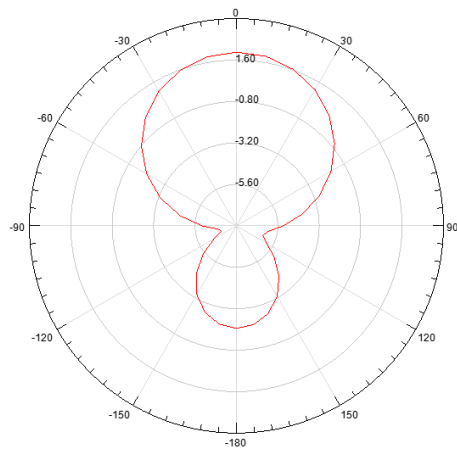


Figure 3. Antenna Pattern

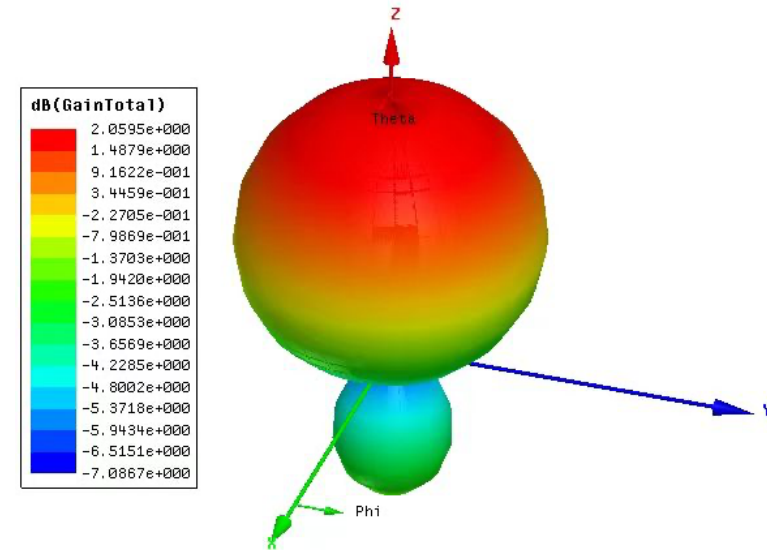


Figure 5. 3D Antenna pattern

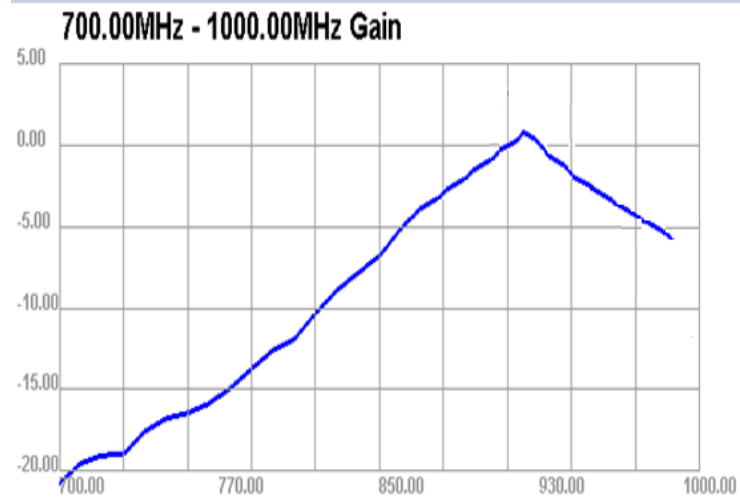


Figure 4. Antenna VSWR