

Product Specifications of BRA-42 Antenna

Product Model

BRA-42 Handheld 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-42 Antenna 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: 4dBi

Polarization: Circular Polarization

3dB beam width: $115^{\circ} \times 115^{\circ}$ (horizontal $\times$ vertical)

Axial ratio $< 3\text{dB}$

Relative humidity: 5%~95%

Impedance: 50Ω

Connector Type: MMCX (IPX optional)

Mechanical Specifications

Size: 80 mm $\times$ 80 mm $\times$ 9.1mm

Weight: 31 g

Material: Stainless steel, FR-4

Color: Green, Silver

Operating Temperature: $-25^{\circ}\text{C} \sim +85^{\circ}\text{C}$

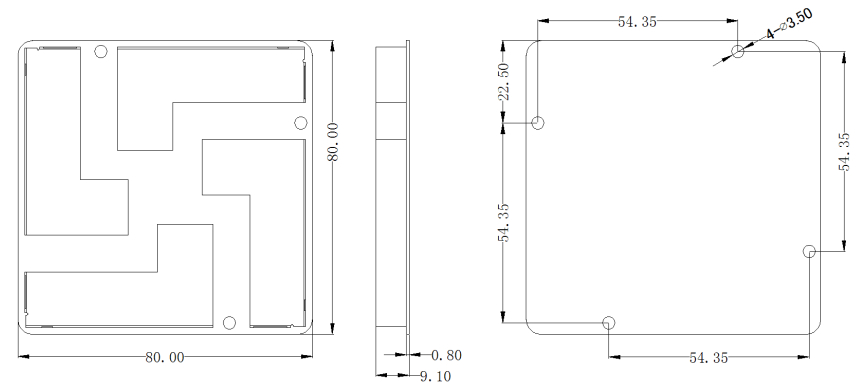
Storage Temperature: $-25^{\circ}\text{C} \sim +85^{\circ}\text{C}$

Type of Antenna: PCB Antenna



Antenna Photo

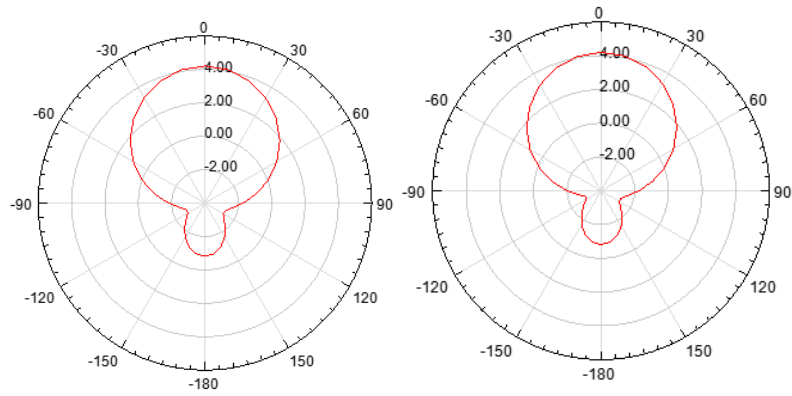
Antenna Dimensions



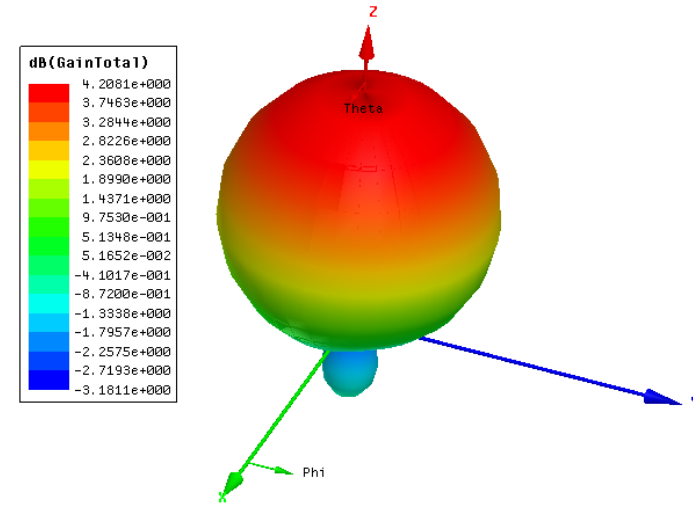
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For any inquiry, please contact us atrfidtag@broadradio. com. cn

Antenna Pattern and S Parameter



2D Antenna Pattern



3D Antenna pattern