

**606005**

Dual-feed Ceramic Antenna

(902–927MHz)

Data Sheet

# 1.General matters

## 1.1 Scope of Application

Suitable for RFID UHF 915-925 MHz antenna

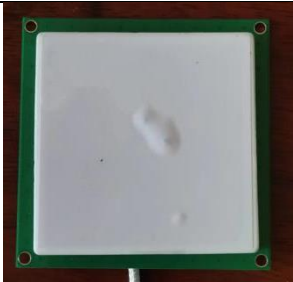
## 1.2 Temperature range for use

The temperature range for this product is -20+65 °C

## 1.3 Storage temperature range

This product is stored at -30+75 °C

# 2. General specifications of the product

| NO. | ITEMS                | DETAILS                                                                              |
|-----|----------------------|--------------------------------------------------------------------------------------|
| 1   | model                | RFID                                                                                 |
| 2   | frequency            | 902-927MHz                                                                           |
| 3   | VSWR                 | ≤2.0                                                                                 |
| 4   | Gain                 | 3dBi                                                                                 |
| 5   | Radiation Efficiency | ≥50%                                                                                 |
| 6   | impedance            | 50 Ω                                                                                 |
| 7   | Antenna type         | ceramic planar antennas                                                              |
| 8   | picture              |  |

### 3. Specification details

#### 3.1 Structural parameters

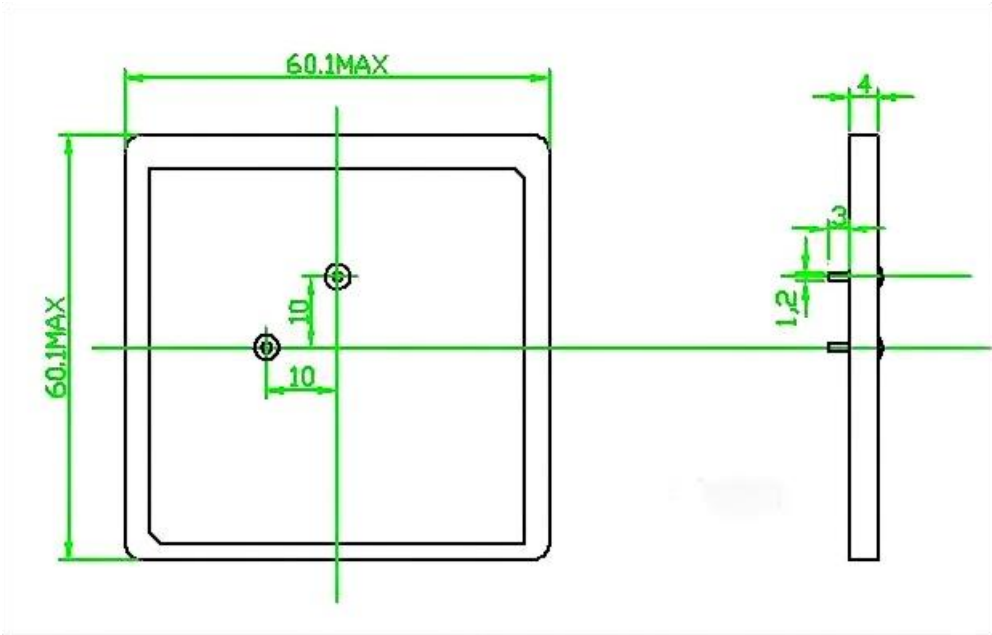
##### 3.11 Material Composition:

| No | Material                         | Specification (MM) |
|----|----------------------------------|--------------------|
| 1  | Ceramic (including silver paste) | 60x60x5mm          |
| 2  | needles                          | 6.5 mm             |
| 3  | double-sided tape                | 0.15 mm            |

##### 3.12 Appearance

The product has a good appearance and is free from serious defects such as scars, sweat marks, and protrusions that may affect its appearance

##### 3.13 Structural dimension product drawings (mm):



### 3. 2 Electrical performance test data

#### 3.21 Testing Environment and Instrument Equipment

|                                                                                                                          |                                        |
|--------------------------------------------------------------------------------------------------------------------------|----------------------------------------|
| Test environment:<br>Temperature: 10℃——+30℃<br>Relative humidity: ≤80% (+40℃)<br>Atmospheric pressure:<br>750mmkg±30mmkg | Testing equipment:<br>network analyzer |
|--------------------------------------------------------------------------------------------------------------------------|----------------------------------------|

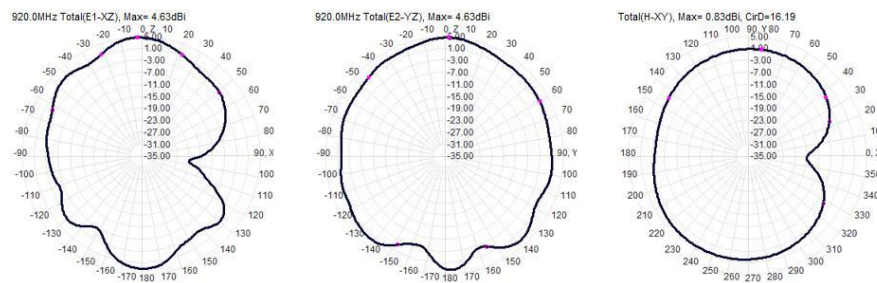
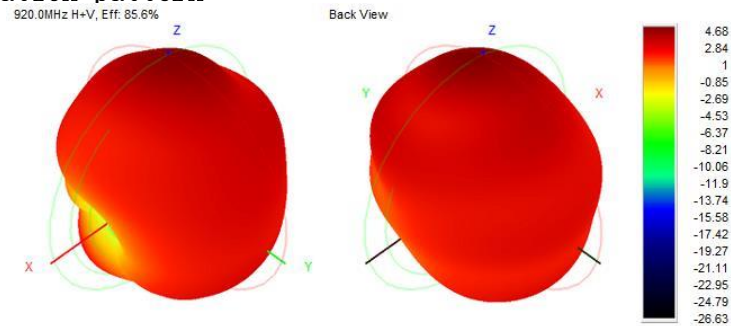
#### 3.22 Electrical Performance Test Data:

##### 3.22.1 S11 diagram of antenna:

|                    |      |       |       |       |      |
|--------------------|------|-------|-------|-------|------|
| Frequency<br>(MHz) | 915  | 920.5 | 922.5 | 924.5 | 925  |
| VSWR               | 2.05 | 1.14  | 1.50  | 1.98  | 2.06 |



### 3. 22. 2 Radiation pattern



## 4. Packaging method

Pearl cotton packaging, 9 PCS per plate