

# UHF RFID ANTENNA CA504005D-US

## Antenna electrical performance characteristics

| NO | PROJECT                 | INDEX         |
|----|-------------------------|---------------|
| 1  | Frequency range         | 902MHz—928MHz |
| 2  | Center frequency        | ---           |
| 3  | Bandwidth               | ---           |
| 4  | Standing wave ratio     | 1.2Min        |
| 5  | Gain                    | 3.65dBi       |
| 6  | Output Impedance        | 50Ohm         |
| 7  | temperature coefficient | 20max         |

## MECHANICAL SPECIFICATIONS

|                  |                    |
|------------------|--------------------|
| Connector type   | MMCX               |
| Antenna Cable    | Length 105mm       |
| Shockproof Grade | IK08               |
| Mounting Method  | Screw installation |

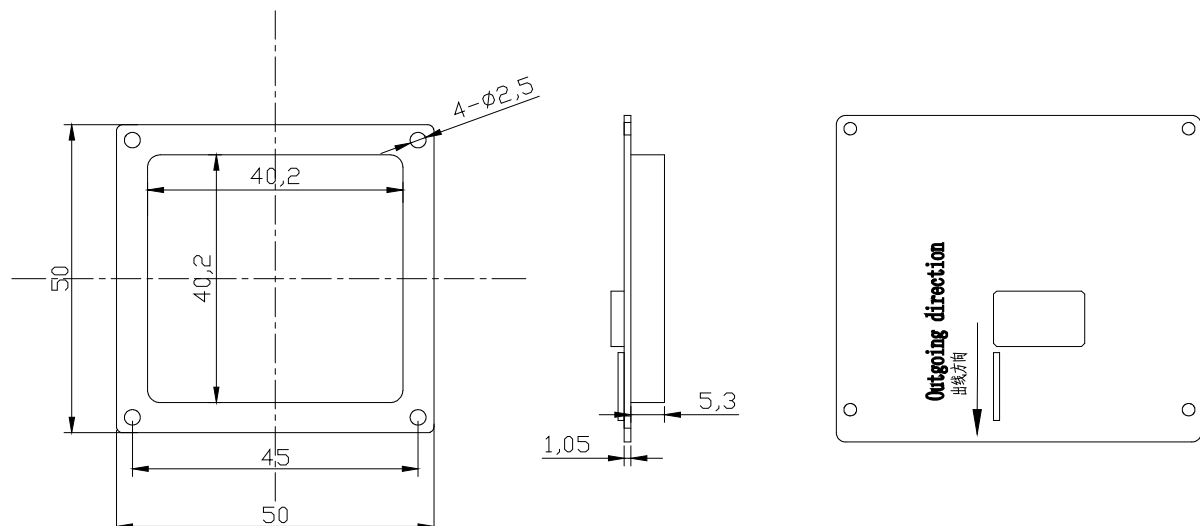
## ENVIRONMENTAL CONDITIONS

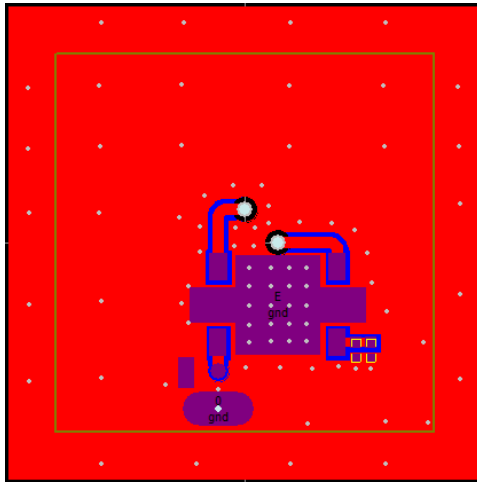
|                 |           |
|-----------------|-----------|
| Operating Temp. | -40℃～+85℃ |
| Storage Temp.   | -40℃～+85℃ |

Manufacturer: Shenzhen RoyalRay Science and Technology Co., Ltd.

Address: West Wing, 4F, A1 Building, Xiufeng Industrial Park, No.2 Xiufeng Road, Longgang District, Shenzhen, China

## ANTENNA DIMENSIONS (Unit:mm)





| Description  | Name          | Designator | Footprint | Quantity |
|--------------|---------------|------------|-----------|----------|
| CA504005D-US | Ceramic tiles | U1         | 40*40*5   | 1        |
| HC0900A-03   | bridge        | U2         | SMD       | 1        |
| 100Ω         | resistor      | R1、R2      | 0402M     | 2        |

## Antenna Radiation Pattern

