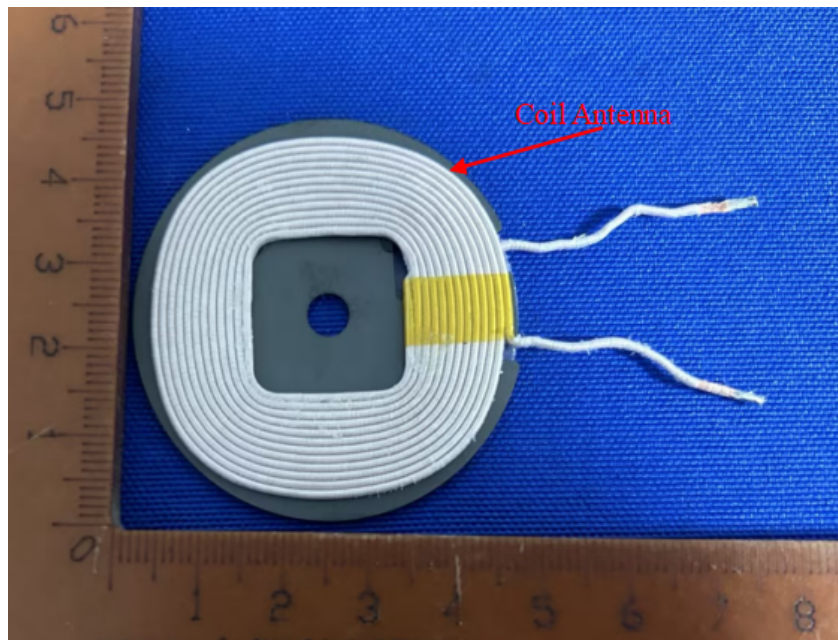


# Antenna

## 1、Dimensions(unit: mm)



### Note:

1. Wind the coil around the magnetic sheet with dimensions of  $50 \pm 1$ mm, inner hole of 5.3mm, and thickness of  $1.0 \pm 0.2$ mm. The magnetic sheet should have an L-shaped groove.
2. The coil's lead wire should be wrapped with high-temperature adhesive tape with a winding width of  $8\text{mm} \pm 0.5$ .
3. Attach a regular double-sided adhesive with hand-tear feature to the back of the magnetic sheet, with a circular diameter of 49mm (ref) and an inner hole of 6.0mm (ref).

## 2、Electrical performance

| Project         | Standard                          | Test<br>condition | Test instrument | remarks                                     |
|-----------------|-----------------------------------|-------------------|-----------------|---------------------------------------------|
| inductance      | 7.8uH±20%<br>standalone coil      | 100KHZ,1V         | LCZ METER 1062B | Coil type                                   |
| Inductance 1    | 10.0uH±10% with<br>magnetic plate | 100KHZ,1V         | LCZ METER 1062B | Measuring<br>type with<br>magnetic<br>sheet |
| Resistance(DCR) | ≤60mΩ                             | @25°C             | LCZ METER 502B  |                                             |
| Q value         | 85.0 (ref) with<br>magnetic plate | 100KHZ,1V         | LCZ METER 1062B |                                             |

### Appearance requirements:

- 1) The shape and size of products shall be strictly controlled
- 2) The product surface is free of oil, impurities, burrs, etc
- 3) Materials cannot be changed without customer's confirmation
- 4) The product must meet Rosh requirements