

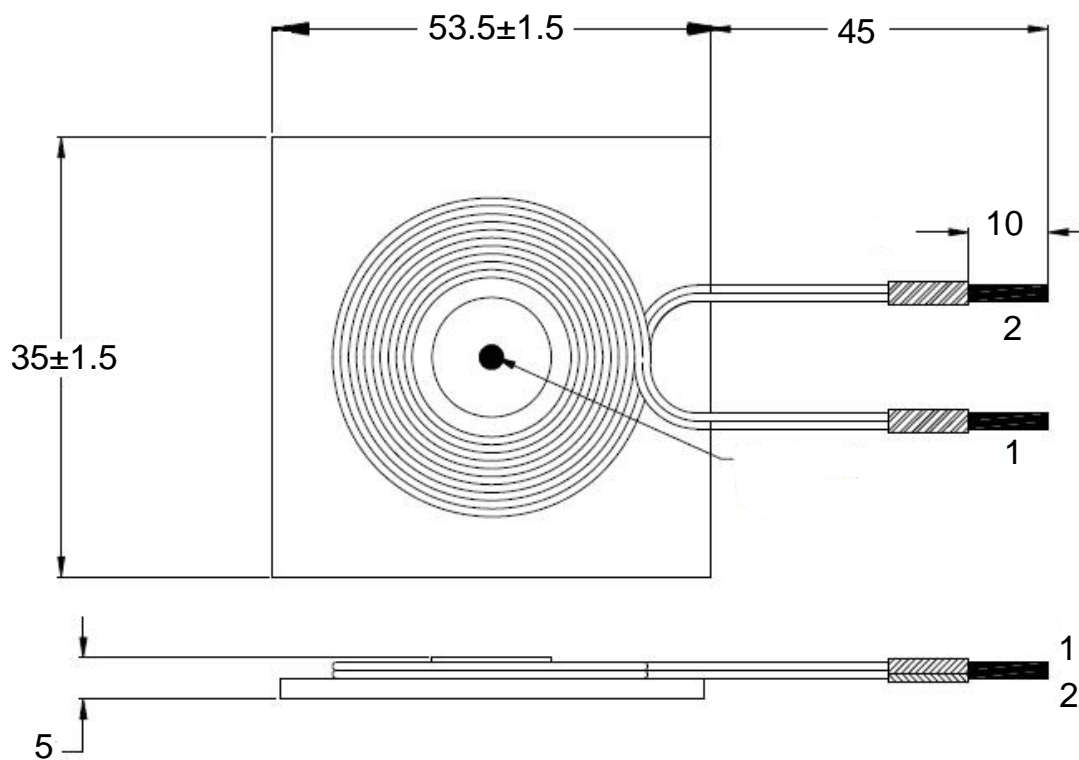
## 1. Features

1. Wireless Power Consortium (WPC) Type A5 Transmitter Coil
2. 100% Lead(Pb)-Free and RoHS compliant.
3. High Current, Low DCR, High Efficiency.

## 2. Applications

1. Qi-Certified Smart Phones and other Handhelds
2. Hermetically Sealed Devices and Tools
3. Cars and Other Vehicles
4. Tabletop Charge Surfaces

## 3. Dimensions



Unit:mm

#### 4. Air coil specification

1. Wire Diameter:  $\phi$  0.08mm x 105 ( Type2 Wire)
2. Coil Turns: 10TS ,2 layer

#### 5. Electrical Specifications

| NO. | Parameter          | Specification                      | Test Instrument   |
|-----|--------------------|------------------------------------|---|
| 1   | Inductance         | 6.3 $\mu$ H $\pm$ 10%              | K2812 DIGITAL LCR METER<br>or EQUIVALENT<br>(@1kHz 1.0 Vrms)  |
| 2   | Q Value            | 80(Typ.)                           | JK2812 DIGITAL LCR METER<br>or EQUIVALENT<br>(@1kHz 1.0 Vrms) |
| 3   | DC Resistance      | 0.016 $\Omega$ (Typ.)<br>(At 25°C) | JK2812 DIGITAL LCR METER<br>or EQUIVALENT<br>(@1kHz 1.0 Vrms) |
| 4   | Saturation current | 16A(Typ.)                          | Isat  |
| 5   | Weight             | 47g(Typ.)                          |   |

#### 6. Temperature Characteristics

| NO. | Parameter             | Specification |
|-----|-----------------------|---------------|
| 1   | Operating Temperature | -30~70°C      |
| 2   | Storage Temperature   | -40~85°C      |