

规格承认书

Specification for approval

产品名称: **A** 系列智能手机无线充电感应线圈

**Product Type: Customized Power Wireless Charger Coil
7uH 5V Transmitter Receiver Induction Shield For Samsung
Apple Smart Mobile Phone**

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1. Introduction to Wireless Power Charging Coils

Wireless Power Charging is becoming more and more common in new gadgets like smart phones, tablets and laptops. With this pace of technological growth, one can certainly assume in the future that many domestic electronic devices will be charged or powered wirelessly. The number of manufacturers of wireless charging coils and control circuit chips are also expected to grow to meet increasing consumer demand.

One may ask, why is the consumer market of interest to us? All known technologies have been mostly driven by the consumer electronic market, subsequently the Industrial and other similar sectors have taken advantages of the “went through learning curve” to lower their design time.

2. Wireless Power Transfer Principle

The wireless power is transferred from transmitter to receiver coil using more than a century old principle called inductive coupling. However, recent developments prove that when two resonant circuits resonating at the same frequency, designed with minimal loss and absorption (High Q) are brought into close proximity (near field area), that due to evanescent wave coupling the energy transferred from transmitter to receiver are at a high efficiency.

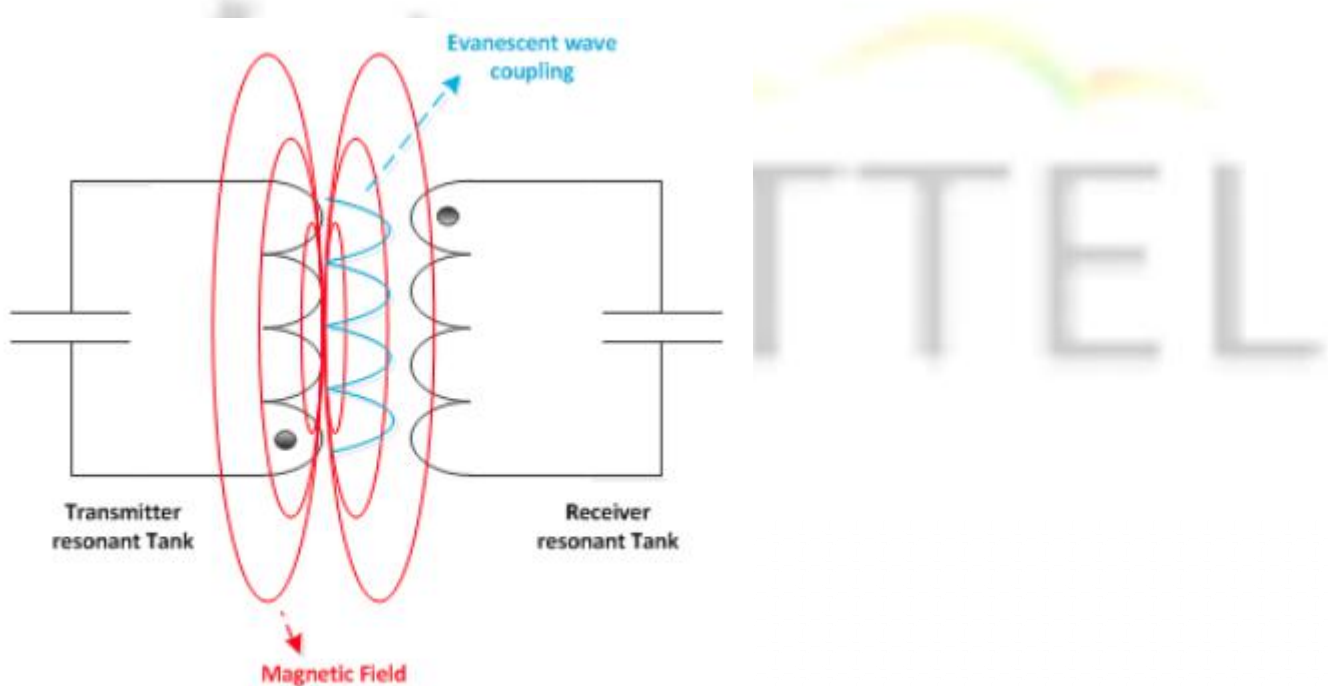



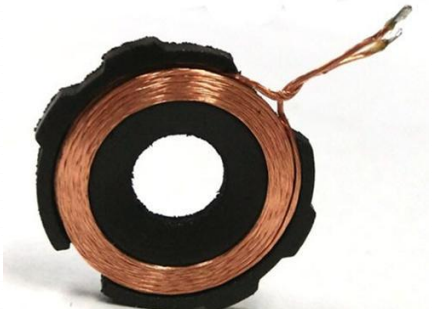


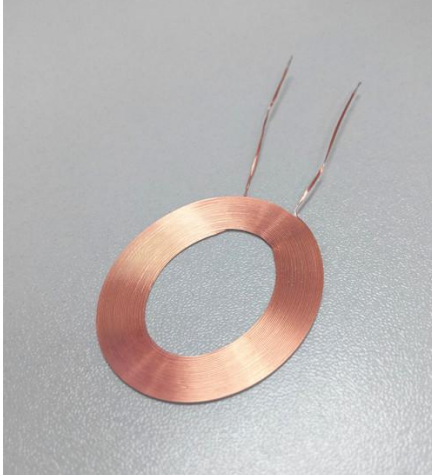


Figure 1: Wireless power transfer principle

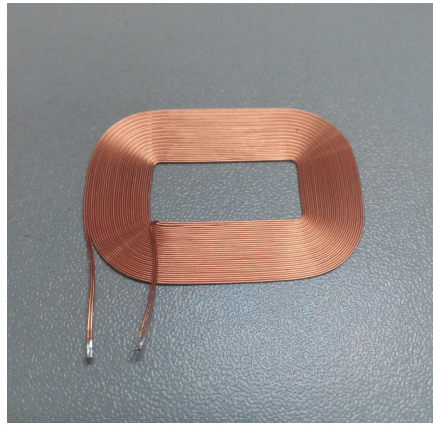
In order for a wireless power charging system to work efficiently, the frequency of both transmitter and receiver is required to be tuned to the same frequency. For different inductance value of charging and coupling coil, other associated parts of the circuit are necessary to be changed as well in order to get the same resonant frequency.

3. Specification

Model	Picture	Specification
A28-5V Wireless charger coil		<p>OD: 44.8*52.5 mm ID: 18.5*28.5 mm Thickness: 1.25H Turns: 9 TS Wire diameter: 0.08*105p Wire: silk-coated wire Inductance: 7.3 uh Package: Sucking tray / carton RoHs/SGS Winding direction: Clockwise</p>
A11-5V Wireless charging coil		<p>OD: 43±0.5mm ID: 20.5 mm Thickness: 1.2mm Turns: 10 TS, 1 Layer Wire diameter: 0.08*105p Wire: silk-coated wire Chip size: 50*5*1.0 Inductance: 3.9 uh Inductance for add magnet: 6.8 uh Product size: 50*2.2H Unit weight: 15g Package: Sucking tray / carton RoHs/SGS</p>
Samsung s6 wireless charging and transmitting coil		<p>OD: 43 mm ID: 20.5 mm Thickness: 1.2H Turns: 10 TS Wire diameter: 0.08*105p Wire: enamelled wire Inductance: 6.3 uh Package: Sucking tray / carton RoHs/SGS Winding direction: Clockwise</p>

<p>Apple Watch wireless transmitting coil</p>		<p>Inductance: 7.2 uh With magnetic sheet</p>
<p>A11-5V Wireless charging coil Double wired Double layer</p>		<p>OD: 43 ± 0.5mm ID: 20.5 mm Thickness: 1.2mm Turns: 10 TS, 2 Layer Wire diameter: 0.08*105p x 2 Wire: silk-coated wire Chip size: 50*5*1.0 Product size: 50*2.2H Unit weight: 15g Package: Sucking tray / carton RoHs/SGS</p>
<p>A5 Wireless Charger Coil</p>		<p>OD: 43 ± 0.5mm ID: 20.5 mm Thickness: 2.6mm max Turns: 10 TS, 2 layer Wire diameter: 0.08*105p bifilar Wire: silk-coated wire magnetic sheet : 53*53*2.5 Product size: 53*53*5.1H Inductance: 7.3 uh Package: Sucking tray / carton RoHs/SGS Unit weight: 46g</p>
<p>Iphone 6 Wireless Charging coil</p>		<p>OD: 36.*42.7 ID: 27.5*20 Thickness: 0.22H Turns: 14 TS Wire dia: 0.13*4p Wire: Self sticking wire Inductance: 8.3 uh Package: Sucking tray / carton RoHs/SGS Unit weight: 0.8g</p>

S4 Wireless charging coil



OD: 25.6*36.6
 ID: 20.5*10.5
 Thickness: 0.41H
 Turns: 15 TS
 Wire dia: 0.25*2p
 Wire: Self sticking wire
 Inductance: 12.2 uh
 Package: Sucking tray / carton
 RoHs/SGS
 Unit weight: 1.5g

Customized would be welcomed with drawing or datasheet, thank you !

4. About us

Our company is specialized in the production of mobile phone wireless charging emission and receiving coil, ICR switcher coil, RFID wireless identification coil, special-shaped coils, IC/ID card induction coil, the coil of glasses, antenna coil, coin machine coil, card reader, coil solar to sway, coil vibration motor coil, voice coil. Its performance is good, the quality of reliable, low carbon environmental protection, factory direct sales, price concessions.