

Coil Specification

Product Model: 1niu1-15A032

Product Type: Fast wireless charger

Designed By	Check By	Approved By

Approval Signature	Date

1.Coil process

NO	winding	Wire gauge	Turns	Winding direction	Remarks
1	N1	2UEW-B-0.08*105P*1.1	10TS	CCW	
2					

2.FEATURES:

1.Test conditions: 25°C,65%RH@100KHz/1V

1.1 Inductance

1.11 L0A (only coil) =3.3uH±20%

1.12 L0A(coil+magnetic sheet)=6.5uH±10%

1.2 Q value=70MIN

1.3 DCR: 55mΩ MAX

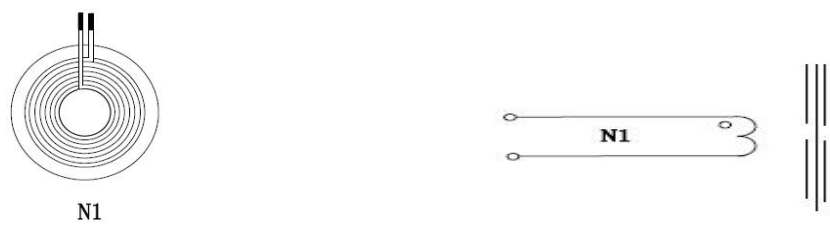
1.4 Operating Temperature: -25°C~85°C

2.Test instrument: **L**:1068+1310;**DCR**:502BC;**SIZE**:Callipers

3.Material list

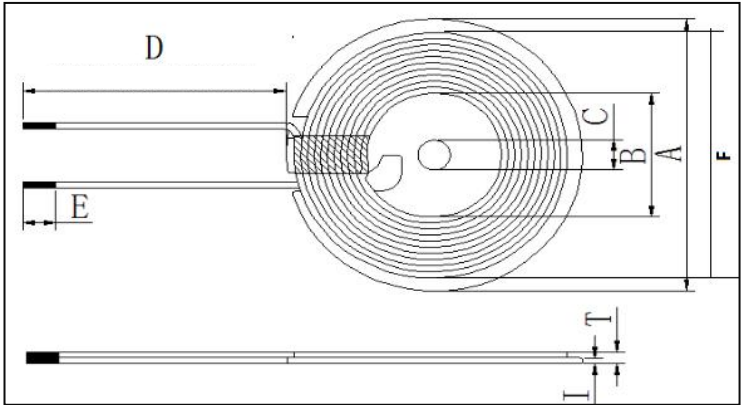
NO	item	material
1	WIRE	φ 0.08*105p*1.1 2UEW-1.0mm
2	FERRITE	50*0.56*1.0 LDouble groove Ferrite hard magnetism
3	GLUE	White glue
4	SOLDER	XCD-907B
5	Adhesive	
6	High temperature adhesive	6MM High temperature adhesive tape
7		
8		

3.CIRCUIT DIAGRAM



unit: MM

4.OUTSIDE DIAGRA



	A	B	C	D	E	F	I	T
STD	50±1.0	20.5	5.0±0.5	40±2	2-3	43±1.2	1.0±0.1	2.2Max

unit: MM

Storage and Use condition

5.1 Storage condition

5.1.1 Recommended keeping conditions: $-25^{\circ}\text{C} \sim 85^{\circ}\text{C}$, 70%RH (Max.)

5.1.2 Storage life : Within the limits of six months from being produced.

5.2 Use condition

Use condition limit: $T = -25^{\circ}\text{C} \sim 85^{\circ}\text{C}$, $\text{RH} \leq 90\%$.