

Watch charging coil product specification

brand

Apple Inc

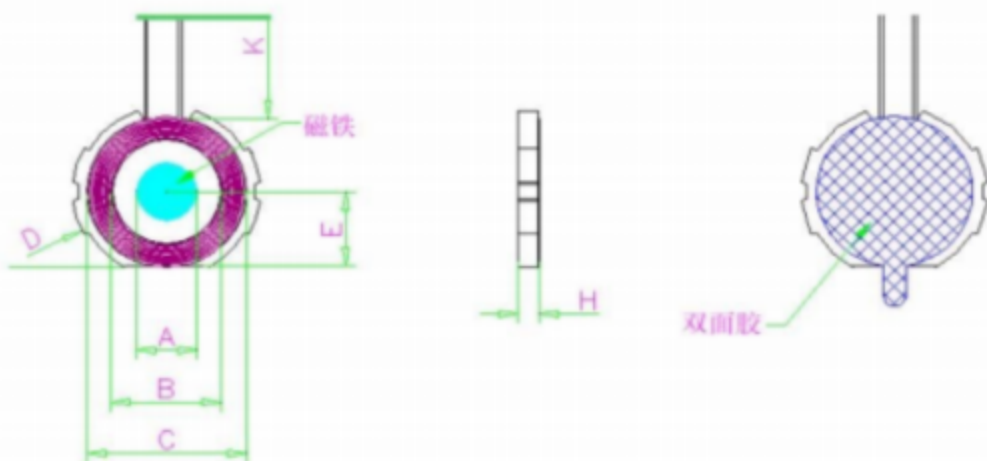
Material type

C962

versions

01

◆ 、 outline drawing



(unit: mm)

A 7.6 ± 1.0

B 14.5 ± 1.0

C 20.7 ± 1.0

D 25.0 ± 1.0

E 9.7 ± 1.0

K 8.0 ± 2.0

H 2.8 ± 0.3
(including film thickness)

remark

(1) Wire diameter: 0.08*24P twisted wire, single-wire double-layer winding

(2) Coil around 12 times

(3) Add back glue at the bottom

(4) Whether the starting and ending lines cross: Yes

(5) Place N52-7.5*2.2 strong in the middle of the coil
Magnetic 2800-- 3000GS

◆ 、 electrical specification :

parameter	Spec	TEST FREQUENCY	TEST EQUIPMENTS
L(W1)	6.5± 10%	100KHz/1V	■TH2816B
DCR(W1)	<200	@ 25°C	■CH-502BC
Q	>20	100KHz/1V	■TH1816B

◆ 、 temperature grade:

operating temperature	-40°C~ 125°C
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bill of materials

NO	Material name	Material Code	Vendor code	Description
1	magnetic sheet	25*2.8 Hard magnetic		
2	twisted wire	0.08*24P		twisted wire
3	Glue	Black double-sided		Eco-friendly adhesive paper
4	N52 strong magnetic	7.5*2.2		magnet
5	Tin	107H		Thousand island environmental tin
6	Glue	Yellow gum		eco-friendly adhesive

15W mobile phone charging coil product specification

brand	Apple Inc	Coil type	All	Material type	C222X	versions	01
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◆、outline drawing

(unit:mm)

A	20±0.5
B	20.5±0.5
C	40±1
D	43+0/-1
E	3±1
F	25±1
G	0.8±0.05
H	2.2MAX
I	5±2

remark

(1)Wire Dia: 0.08*80P Stranded wire

(2)Turns:10Ts

(3)Wdg. TypeSpred/Close: (Close)

(4)IntersectYes/Not:Yes

(5)Coil Positive/Anti Paste:Anti-/Paste

(6)Wdg.Direction: Anticlockwise

◆、electrical specification:

parameter	Spec	TEST FREQUENCY	TEST EQUIPMENTS
L(W1)	6.5± 10%	100KHz/1V	■TH2816B ■CH-502BC ■TH1816B
DCR(W1)	<200	@ 25°C	
Q	>20	100KHz/1V	

◆、temperature grade:

operating temperature	-40°C~ 125°C
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bill of materials

NO	Material name	Material Code	Vendor code	Description
1	wire rod	JX-2U-F-0025	ZY	0.08*80P Stranded wire
2	ferrite	GCP-T-00189	KL	G43 (+0-1) *5.3*0.8±0.1H (with hole, with double slot L slot)
3	3M double-sided tape	SMJ-T-0064	WY	40*0.08H (no hole, top right slotted with hand tear)
4	insulating tape	High-temperature adhesive paper 5MM	JRM	5mm
5	Glue	E7202W	HZY	JS-E7202(thickened) white glue
6	tin bar	Lead-free high temperature tin strip	XC	Environmentally friendly lead-free solder bar
7	minicycle	GCP-T-0080	HBC	round20*0.8H
8	Small double-sided tape	SMJ-T-0056	WY	15*0.08H (with hand tear)