

SPECIFICATION FOR APPROVAL

Approval Status	Trial Production		Large cargo	
Supplier name	Shenzhen Taoruan Electronics Co., LTD			
product model	Watch coils			
code				
Assembly plant code				
name of material	Apple Watch coil			
Specifications description	Diameter 25mm, height 2.5mm, total thickness 3.1mm, inductance value 7.8μH, lead wire length 7mm, wire diameter 0.08×24mm, 13TS, inner diameter 15mm, with back adhesive, magnet size 7.8×3.0, magnetic value 3800-4000, tinned 3mm (COIL) ROHS			
Acknowledged version				
Environmental requirements	ROHS			
Date of delivery	2025/6/5			
Supplier address	Shenzhen Guangming District Ma Tian Street Shijia community Shang Shijia old village factory No.1702			
Supplier tel/fax	13824883512			
Supplier's mailbox/website	891950131@QQ.com			
APPROVED BY				

Supplier sign-off	RD/engineering department	Sales operations	quality	Approved by
Client sign-off	Engineering Acknowledgement	Approved by	quality	purchase

address:

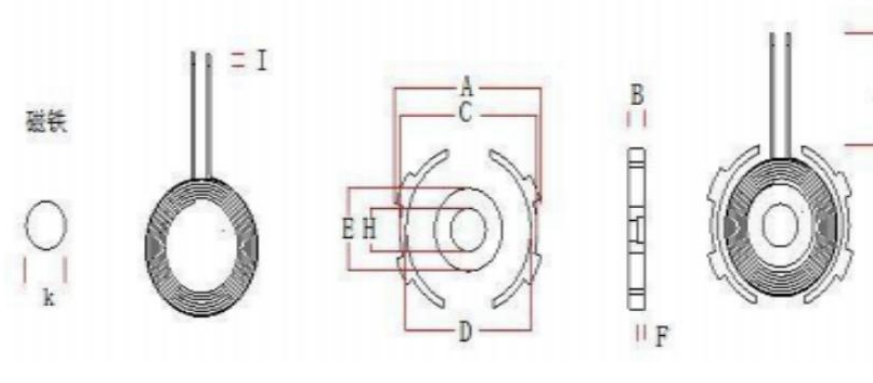
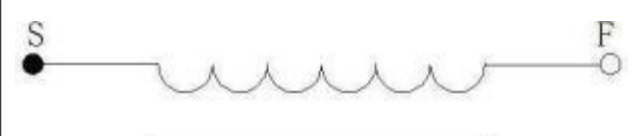
telephone:

website:

Version Change History

[illegible]

SPECIFICATION

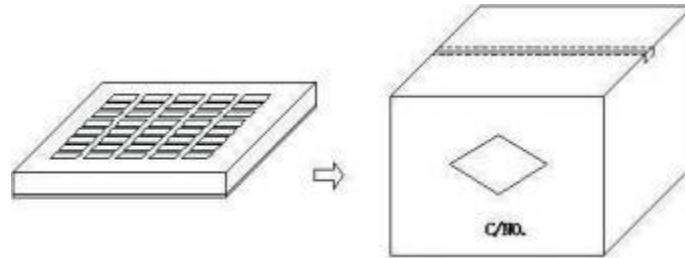
product model : DESC		Apple Watch soft magnetic coil-CLB		Version:A. 0		Customer :																																											
						Fine P/N:																																											
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<div>一、 DIMENSION:(mm)</div> <div></div> <div>二、 SCHEMATIC DIAGRAM:</div> <div></div> <div>三、 Winding Specification:</div> <table><tr><td>NO.</td><td colspan="2">TERMINAL</td><td>WIRE</td><td>Turns</td><td>Winding Direction</td></tr><tr><td>1</td><td>S</td><td>F</td><td>Hot air lines 0.08*24P</td><td>13TS</td><td>normal</td></tr></table> <div>四、 ELECTRICAL CHARACTERISTICS:</div> <div>TEMPERATURE:25 ±10℃, RELATIVE HUMIDITY:65 ±20%</div> <table><tr><td>NO.</td><td>ITEM</td><td>TERMINAL</td><td>SPECIFICATION</td><td>TEST FREQUENCY</td><td>TEST EQUIPMENTS</td></tr><tr><td>1</td><td>IND.</td><td>S-F</td><td>3.8uH ±20% Separate coils</td><td>100KHz/1V</td><td>LCZ METER 1062B</td></tr><tr><td>2</td><td>IND.</td><td>S-F</td><td>7.8uH±5 %</td><td>100KHz/1V</td><td>LCZ METER 1062B</td></tr><tr><td>3</td><td>Q value</td><td>S-F</td><td>≥30</td><td>100KHz/1V</td><td>LCZ METER 1062B</td></tr><tr><td>4</td><td>DCR</td><td>S-F</td><td>260MAX</td><td></td><td></td></tr></table> <div>PREPARED BY/DATE</div> <div>Feng Boqun 2025/06/05</div> <div>CHECKED BY/DATE</div> <div>Su Yanping 2025/06/05</div>						NO.	TERMINAL		WIRE	Turns	Winding Direction	1	S	F	Hot air lines 0.08*24P	13TS	normal	NO.	ITEM	TERMINAL	SPECIFICATION	TEST FREQUENCY	TEST EQUIPMENTS	1	IND.	S-F	3.8uH ±20% Separate coils	100KHz/1V	LCZ METER 1062B	2	IND.	S-F	7.8uH±5 %	100KHz/1V	LCZ METER 1062B	3	Q value	S-F	≥30	100KHz/1V	LCZ METER 1062B	4	DCR	S-F	260MAX			A	25±0.5
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1. The back of the magnetic sheet is attached with a round 22mm diameter, 9mm hole in the middle and 0.5mm thickness of ordinary EVA foam.																																																	

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			Fine P/N:	
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五、Packaging :

5.1 Packing pictures:



5.2 Packaging quantity and specification:

Item	Quantity	Material specification	
Box	240 Pcs	370*265*55mm	
Big Carton	1680 Pcs	380*270*220mm	

5.3

The packaging shall be based on the existing packing plate prevailas the reference standard, and the actual shipping packaging shall be used. If there is any requirement, we can customize it.

六、Material list:

number	Material name	Description of product	Manufacturer
1	Wires with lacquered insulation 0.08*24 strands	Hot-wind enameled wire 0.08*24 strands	
2	Lead-free strips	Lead-free strips	
3	magnetic sheet	Φ25*13.8*2.5mm Manganese zinc soft magnetic sheet	
4	Glue	201 Glue	
5	magnet	7 5*3.0mm 3800-4000gauss	
6	EVA	Round diameter 22mm with hole in the middle 9mm thickness 0.5mm	
7			

PREPARED BY/DATE	CHECKED BY/DATE
Feng Boqun 2025/06/05	Su Yanping 2025/06/05