

SPECIFICATION FOR APPROVAL

CUSTOMER: **Dongguan Kafulle Electronics Co., Ltd.**

CUST P/N:

FINE P/N: **Apple watch transmit coil 8.1UH
0.08*24P*14Ts Soft magnetic plate**

DESC:

DATE: **2022/11/08**Version: **A.0**

PREPARED BY	CHECKED BY	APPROVED BY	CUSTOMER APPROVE
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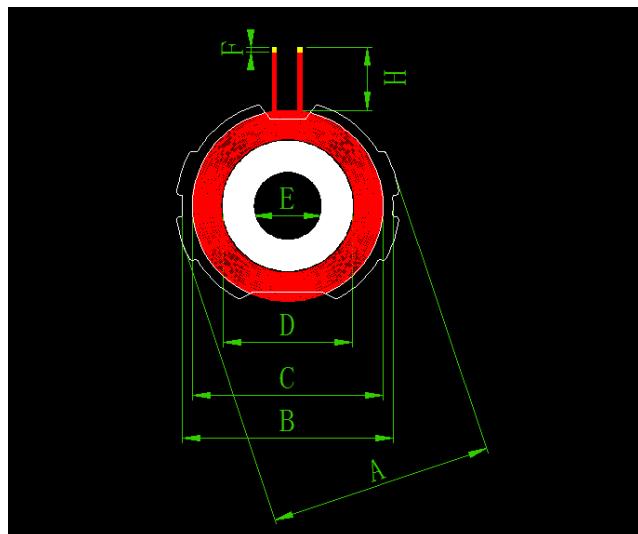
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Version Change History

SPECIFICATION

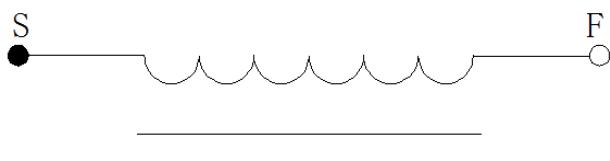
DESC	15*21.5-8.1UH-8MM-25C	Rev: A.0	CUST:	XXX
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		CUST P/N:	
一、尺寸 DIMENSION:(mm)		A	25±1
		B	23.6±0.5
		C	21.5±0.5
		D	14.5±0.3
		E	7.7±0.05
		F	3±2
		H	8±2



Operation Frequency	300-350KHz
Antenna Type	Loop coil antenna
Antenna gain:	0dBi
We statement that All measurements were performed radiated and therefore additional antenna gain documentation is not required.	

二、SCHEMATIC DIAGRAM:



Remark:

1. Cross over outgoing line;
2. Outgoing line position wrapping mm(ref)width high-temperature adhesive paper Ts;
3. Coil with circular soft magnetic plate with notches at both ends, Magnetic plate size:25±1mm,Inner hole 7.7mm,Thickness:2.8±0.2mm.
4. Pack7.5*2.2mm, N52 magnet, with adhesive

三、Winding Specification:

NO.	TERMINAL	WIRE	Turns	Winding Direction
1	S F	Enamel-insulated wire0.08*24P	7Ts*2	CCW

四、ELECTRICAL CHARACTERISTICS:

TEMPERATURE:25±10°C, RELATIVE HUMIDITY:65±20%

NO.	ITEM	TERMINAL	SPECIFICATION	TEST FREQUENCY	TEST EQUIPMENTS
1	IND.	S-F	4.0uH ±10% Individual coil	1KHz/0.3V	LCZ METER 1062B
2	IND.	S-F	8.1uH ±10% Individual coil	1KHz/0.3V	LCZ METER 1062B
3	DCR	S-F	≤137mΩ	1KHz/0.3V	LCZ METER 502B
4	Q	S-F	≥25	1KHz/0.3V	LCZ METER 502B

PREPARED BY/DATE	CHECKED BY/DATE
黄燕铭 2022/11/08	黄锦华 2022/11/08