

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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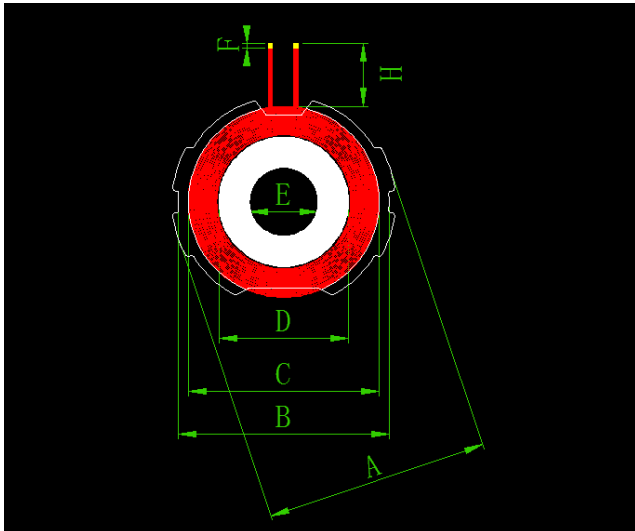
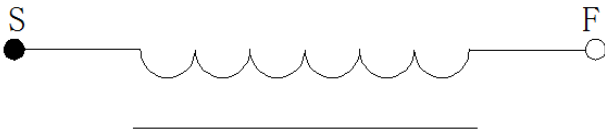
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Version Change History

[illegible]

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)  <table><tr><td>Operation Frequency</td><td>300-350KHz</td></tr><tr><td>Antenna Type</td><td>Loop coil antenna</td></tr><tr><td>Antenna gain:</td><td>0dBi</td></tr><tr><td colspan="2">We statement that All measurements were performed radiated and therefore additional antenna gain documentation is not required.</td></tr></table>						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.		A	25±1
						Operation Frequency	300-350KHz								
						Antenna Type	Loop coil antenna								
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						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								
						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									
二、SCHEMATIC DIAGRAM:															
															
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	≤137m Ω		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											