

SPECIFICATION FOR APPROVAL

CUSTOMER: Peng Yuansheng

CUST P/N: 702-090000-032

FINE P/N:

DESC: F19.5x27.5-9Ts-3coil-27mm-F

DATE: 2020/07/09

Version: A.0

PREPARED BY	CHECKED BY	APPROVED BY	CUSTOMER APPROVE
Guo Runqing	Cai Jiyu	Ni Xing	

FINE ELECTRONICS INDUSTRIAL (HK) LIMITED

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RoHS

FY-GZ001

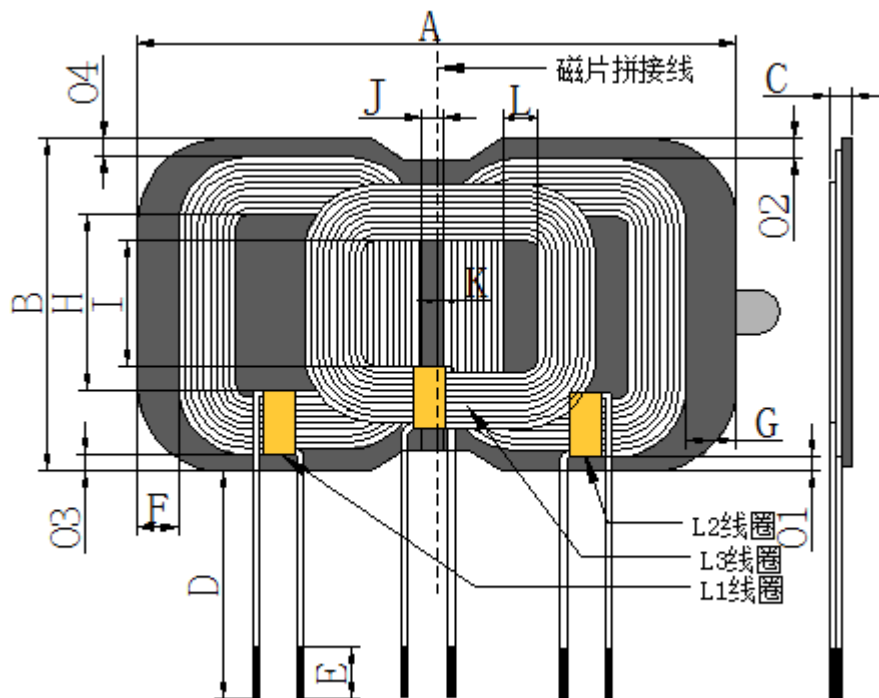
Version Change History

[illegible]

SPECIFICATION

DESC	F19.5x27.5-9Ts-3coil-27mm-F	Rev: A.0	CUST:	Peng Yuansheng
			Fine P/N:	
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一、DIMENSION:(mm)

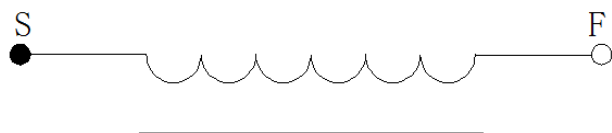


A	93.0±1.2
B	51.5±0.8
C	4.0±5%
D	27±2
E	1-4
F	3-4.5
G	6.5 ref
H	27.5±0.5
I	19.5±0.5
J	2.0-3.5
K	0-0.8
L	6.0 ref
01/02/03/04	≥0.8

Note:

- The coil is pasted with F46.5±0.6x51.5±0.8mm, with a thickness of 1.0±0.1mm, and is made by splicing two hard magnetic sheets.
- On the back of the magnetic disc, there is a white double-sided adhesive tape with a hand torn position.
- Wrap 8mm high-temperature adhesive paper 1-2Ts around the outlet position;
- The top and bottom of the coil magnetic sheet need to be symmetrical;
- The inner ring of L3 coil should be pressed against one inner ring of L1 coil

二、SCHEMATIC DIAGRAM:



三、Winding Specification:

The line is fixed with acetone;

NO.	TERMINAL		WIRE	Turns	Winding Direction
L1	S	F	Silk wrapped thread Φ 0.08 * 105 shares	9Ts	CCW(Assembly drawing)
L2	S	F	Silk wrapped thread Φ 0.08 * 105 shares	9Ts	CW(Assembly drawing)
L3	S	F	Silk wrapped thread Φ 0.08 * 105 shares	9Ts	CW(Assembly drawing)

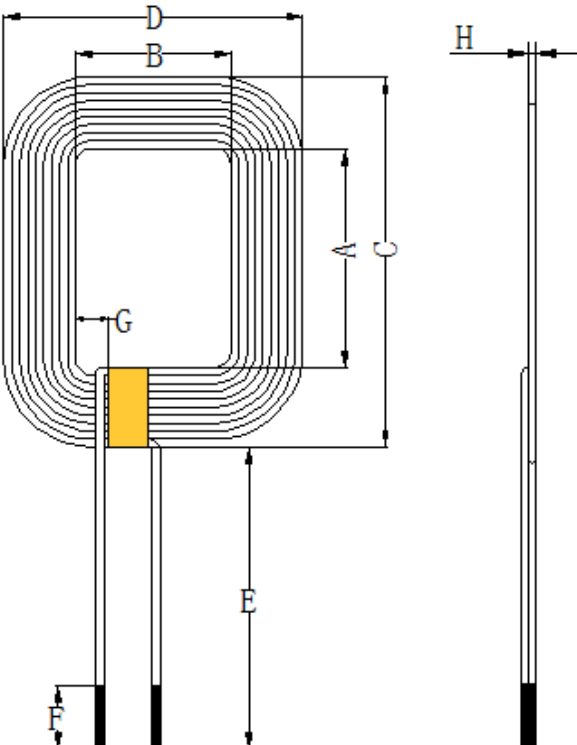
四、ELECTRICAL CHARACTERISTICS:

TEMPERATURE:25±10℃, RELATIVE HUMIDITY:65±20%

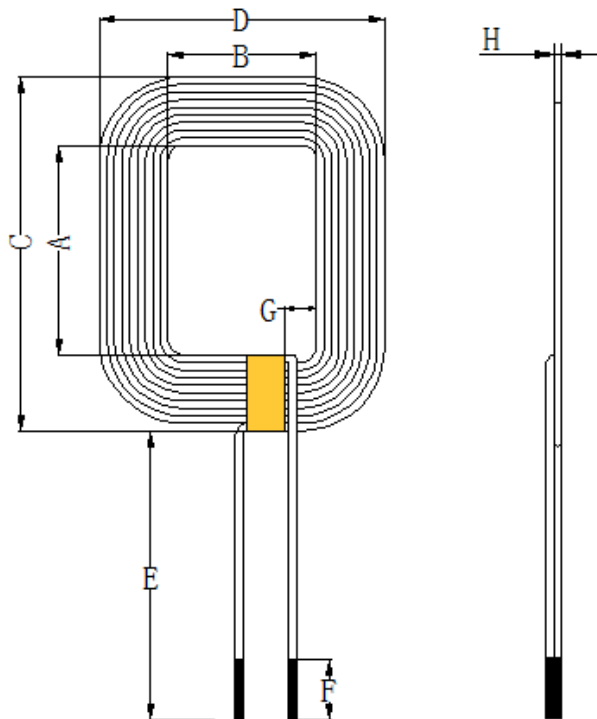
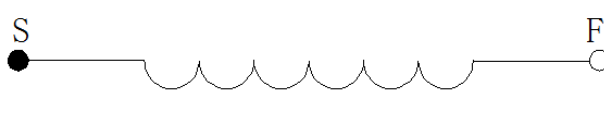
NO.	ITEM	TERMINAL	SPECIFICATION	TEST FREQUENCY	TEST EQUIPMENTS
L1 Coil	IND.	S-F	7.10uH±10%	100KHz/1.0V	LCZ METER 1062B
L2 Coil	IND.	S-F	7.10 uH±10%	100KHz/1.0V	LCZ METER 1062B
L3 Coil	IND.	S-F	6.60uH±10%	100KHz/1.0V	LCZ METER 1062B
L1/2/3	DCR	S-F	55mΩ Max		LCZ METER 502B

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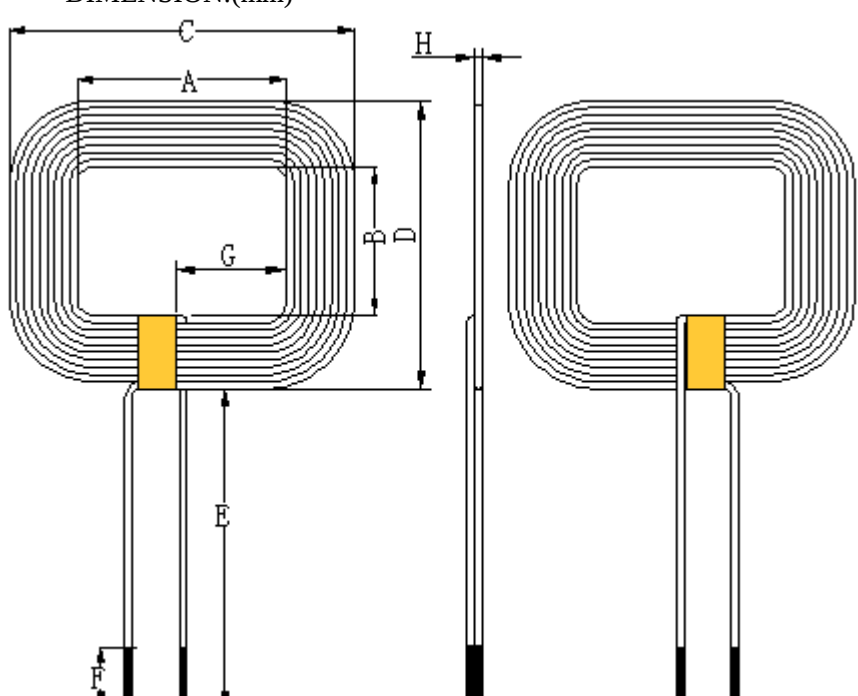
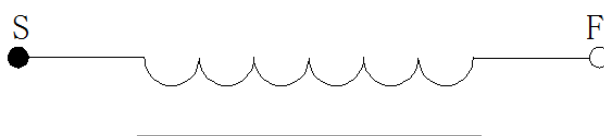
SPECIFICATION

DESC	F19.5x27.5-9Ts-3coil-27mm-F L1 coil		Rev: A.0	CUST:		Peng Yuansheng	
				Fine P/N:			
				CUST P/N:		702-090000-032	
一、 DIMENSION:(mm)						A	27.5±0.5
						B	19.5±0.5
						C	48.0±1.0
						D	39.5-41
						E	28 ref
						F	1-3.5
						G	3.0ref
						H	1.35 Max
Note:						1.Short side cross outgoing line;	
						2.Wrap 8mm high-temperature adhesive tape 1-2Ts around the outlet position;	
二、 SCHEMATIC DIAGRAM:							
							
三、 Winding Specification:							
NO.		TERMINAL		WIRE	Turns	Winding Direction	
1		S	F	Silk wrapped thread Φ 0.08 * 105 shares	9Ts	CCW	
四、 ELECTRICAL CHARACTERISTICS:							
TEMPERATURE:25±10 ℃, RELATIVE HUMIDITY:65±20%							
NO.	ITEM	TERMINAL	SPECIFICATIO N		TEST FREQUENCY	TEST EQUIPMENTS	
1	IND.	S-F	4.1uH±10%		100KHz/1.0V	LCZ METER 1062B	
2	DCR	S-F	55mΩ Max			LCZ METER 502B	
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Guo Runqing 2020/07/09				Cai Jiyu 2020/07/09			

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DESC	F19.5x27.5-9Ts-3coil-27mm-F L2 Coil		Rev: A.0	CUST:		Peng Yuansheng	
				Fine P/N:			
				CUST P/N:		702-090000-032	
一、 DIMENSION:(mm)						A	27.5±0.5
						B	19.5±0.5
						C	48.0±1.0
						D	39.5-41
						E	28 ref
						F	1-3.5
						G	3.0ref
						H	1.35 Max
Note:							
1. Short side cross outgoing line;							
2. Wrap 8mm high-temperature adhesive paper 1-2Ts around the outlet position;							
二、 SCHEMATIC DIAGRAM:							
							
三、 Winding Specification:							
NO.		TERMINAL		WIRE	Turns	Winding Direction	
1		S F		Silk wrapped thread Φ 0.08 * 105 shares	9Ts	CW	
四、 ELECTRICAL CHARACTERISTICS:							
TEMPERATURE:25±10 ℃, RELATIVE HUMIDITY:65±20%							
NO.	ITEM	TERMINAL	SPECIFICATION		TEST FREQUENCY	TEST EQUIPMENTS	
1	IND.	S-F	4.1uH±10%		100KHz/1.0V	LCZ METER 1062B	
2	DCR	S-F	55mΩ Max			LCZ METER 502B	
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Guo Runqing 2020/07/09				Cai Jiyu 2020/07/09			

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DESC	F19.5x27.5-9Ts-3coil-27mm-F L3 Coil		Rev: A.0	CUST:		Peng Yuansheng																			
				Fine P/N:																					
				CUST P/N:		702-090000-032																			
一、 DIMENSION:(mm) 						A	27.5±0.5																		
						B	19.5±0.5																		
						C	47.5±1.0																		
						D	40.5±1.0																		
						E	33 ref																		
						F	1-3.5																		
						G	15.0±1.5																		
						H	1.35 Max																		
						Note:																			
						1. Long side cross outgoing line; 2. Wrap 8mm high-temperature adhesive paper 1-2Ts around the outlet position;																			
二、 SCHEMATIC DIAGRAM: 																									
三、 Winding Specification: <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>Silk wrapped thread Φ 0.08 * 105 shares</td><td>9Ts</td><td>CCW</td></tr></table>						NO.	TERMINAL		WIRE	Turns	Winding Direction	1	S	F	Silk wrapped thread Φ 0.08 * 105 shares	9Ts	CCW								
NO.	TERMINAL		WIRE	Turns	Winding Direction																				
1	S	F	Silk wrapped thread Φ 0.08 * 105 shares	9Ts	CCW																				
四、 ELECTRICAL CHARACTERISTICS: TEMPERATURE:25±10 ℃, RELATIVE HUMIDITY:65±20% <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>4.1uH±10%</td><td>100KHz/1.0V</td><td>LCZ METER 1062B</td></tr><tr><td>2</td><td>DCR</td><td>S-F</td><td>55mΩ Max</td><td></td><td>LCZ METER 502B</td></tr></table>						NO.	ITEM	TERMINAL	SPECIFICATION	TEST FREQUENCY	TEST EQUIPMENTS	1	IND.	S-F	4.1uH±10%	100KHz/1.0V	LCZ METER 1062B	2	DCR	S-F	55mΩ Max		LCZ METER 502B		
NO.	ITEM	TERMINAL	SPECIFICATION	TEST FREQUENCY	TEST EQUIPMENTS																				
1	IND.	S-F	4.1uH±10%	100KHz/1.0V	LCZ METER 1062B																				
2	DCR	S-F	55mΩ Max		LCZ METER 502B																				
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五、Material List:				
NO.	Material name	Description	Martnumber	Material
1	silk covered wire	Single root Φ 0.08 enameled wire * 105 strands		Pure copper
2	Solder Bar	High temperature		
3	Acetone water	Viscous solution		
4	glue	Resin adhesive		
5	Double magnetic disc	F46.5*51.5*thick 1mm		Ferrite, manganese zinc, PC40
6	double-sided tape	F93*51.5 Hand tear position		
7	Pearl cotton			
8	carton			
9				
10				
11				
12				
13				
14				
15				
PREPARED BY/DATE		CHECKED BY/DATE		
Guo Runqing 2020/07/09		Cai Jiyu 2020/07/09		