SPECIFICATION FOR APPROVAL

CUSTOMER: **Shenzhen Xiaojiu Technology Co., Ltd**

CUSTOMER P/N:Z27 coil 1

DESCRIPTION: Z27 coil 1 DATE:2023-5-29

SPECIFICATION ： G43.5 slotting+back adhesive 210mm **REV.NO.:A0**

Customer signature and seal

	Confirmation/Date	Review/Date	Approved/Date	

Notes:

Seal of H-Wireless

	Confirmation/Date	Review/Date	Approved/Date	

Notes:

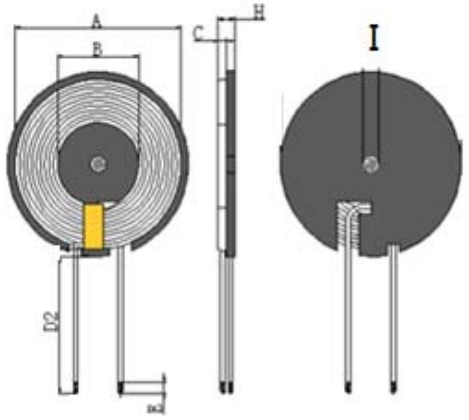
Shenzhen H-Wireless Technology Co., Ltd

ADD：503, Building C, Phase 1, Hongmen, No. 399 Jihua Road, Longgang District, Shenzhen

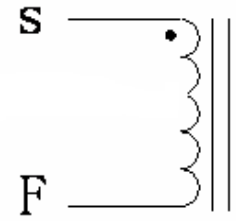
TEL：+86-755-85236567

SPECIFICATION FOR APPROVAL

1.MECHANICAL DIMENSION (UNIT:mm)



2. SCHEMATICS:



1. Coil mounting magnetic sheet, magnetic sheet size 43.5 ± 1mm with a thickness of 0.8 ± 0.05mm
Open the L slot.
2. Coil outlet position Wrap adhesive paper 1-2Ts;
3. The bottom of the magnetic separator should be pasted with adhesive backing

A	B	C	D2	Individua	H	I			I
40.5±1.0	13.5±1	0.8±0.05	210±3	4±2	2.8MAX	5±0.5			

3.WINDING:

STEP	START-FINISH	WIRE TYPE	TURNS	TAPE	REMARK
N1	S-F	silk covered wire∅0.08*105mm 2UEW	12TS (Ref)		

4. ELECTRICAL SPECIFICATION:

ITEM	L	DCR	L	Q value	HI-POT	
TEST COND	Coil and magnetic plate	S-F	Individual coil			
	100KHz,0.25V	AT 25℃	100KHz,0.25V			
SPEC	6.5uH±10%	60mΩ Max	3.8uH±15%			

5.BILF OF MATERIAL:

NO.	ITEM	MATERIAL SPECIFICATION	MANUFACTURER	SGS NO.
1	0.08 * 105 strands of silk wire	Acetone wrapped wire 0.08 * 105 strands	NANJINGJINNINGCO,LTD	
2	Solder Bar	Solder Bar	QIAODO	
3	Magnetic sheet	⌀44*0.8 manganese zinc hard magnetic sheet with L slot	TAIYI CO.,LTD	
4	Glue	Yellow glue 9999	LIANCHENG CO.,LTD	
5	High-temperature adhesive paper	7mm wide high-temperature adhesive paper	CUDAK CO.,LTD	
6	Adhesive backing	⌀41.5*0.1	CUDAK CO.,LTD	

HRSW ELECTRONICS CO.,LTD	PART NO	
	TITLE	G43.5 slotting+back adhesive 210mm

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6. SAMPLE TEST DATA

6.1 DIMENSION TEST (UNIT: mm)

TEST ITEM	A	B	C	D	E	H	I		
SPEC	43.8±1.0	13.5±1	0.8±0.05	210±3	4±2	2.8MAX	5±0.5		
1	43.87	13.59	0.81	210	3.50	2.55	5.03		
2	43.89	13.67	0.8	209.5	3.60	2.56	5.02		
3	43.91	13.68	0.83	210.1	3.70	2.49	4.99		
4	43.98	13.59	0.82	209.8	3.80	2.52	5.01		
5	43.97	13.57	0.85	210.2	4.00	2.50	5		
6									
7									
8									
9									
10									
MAX	43.98	13.68	0.85	210.20	4.00	2.56	5.03		
MIN	43.87	13.57	0.80	209.50	3.50	2.49	4.99		
AVERAGE	43.92	13.62	0.82	209.92	3.72	2.52	5.01		

6.2 ELECTRICAL TEST

TEST ITEM	L		DCR	IDC		Q	HI-POT		
	S-F		S-F						
TEST COND	100KHz/0.25v		AT 25℃						
SPEC	6.5uH ±10%		60mΩ (Max)						
1	6.54		42.00						
2	6.59		42.30						
3	6.58		42.50						
4	6.57		42.10						
5	6.61		42.35						
6	6.49								
7									
8									
9									
10									
MAX	6.61		42.50						
MIN	6.49		42.00						
AVERAGE	6.56		42.25						

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