

# Acknowledgement

## SPECIFICATION FOR APPROVAL

(CUSTOMER): Fab-chain Service Co., Ltd.

YE.L.XXXQ64043400

Model number: Large coil: G44

Watch coil model: 6.5u


(DESCRIPTION):

DATE: 2022/11/10

(SPECIFICATION): SPECIFICATION: G44

REV.NO.: A0

**HRSW ELECTRONICS CO., LTD Acknowledgement,  
signature and seal**

depart ment	Confirmation/ date	Review/Date	Approval/date	(Official seal of
qualit y	DONGWANHONG 2022/11/10	LV HUI2022/11/10	WEI HAN MAN2022/11/10	
engine ering	HE WEI HUA2022/11/10	WEI LI HONG 2022/11/10	WEI LI HONG <sub>2022/11/10</sub>	

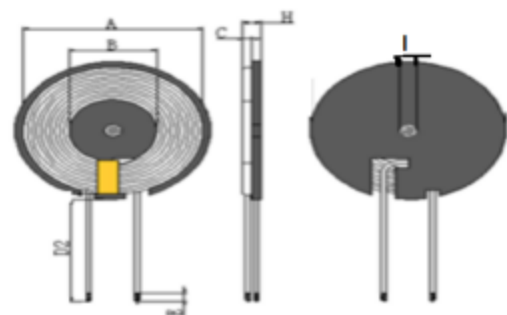
**HRSW ELECTRONICS CO.,LTD**

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# SPECIFICATION FOR APPROVAL

## 1. MECHANICAL DIMENSION (UNIT:mm)



## 2. SCHEMATICS:

1. Coil patch magnetic  
magnetic sheet size  $44 \pm 1\text{mm}$ , thickness  $0.8 \pm 0.05\text{mm}$   
Open the L-trunking.
2. Coil outlet position
- 

A	B	C	D2	E	H				I
44±1.0	20.5±0.5	0.8±0.05	47±3	4±2	2.2Max				

## 3. WINDING:

STEP	START-FINISH	WIRE TYPE	TURNS	TAPE	REMARK
N1	S-F	Silk-wrapped wire $\varnothing 0.08 \times 24\text{mm} \times 2\text{P}$	12TS (Ref)		

## 4. ELECTRICAL SPECIFICATION:

ITEM	L	DCR	L		
TEST	Coil plus 100KHz, 0.25V	S-F AT 25°C	Separate coils 100KHz, 0.25V		
SPEC	6.4uH ± 10%	60mΩ Max	3.8uH ± 15%		

## 5. BILF OF MATERIAL :

NO.	ITEM	MATERIAL SPECIFICATION	MANUFACTURER	SGS NO.
1	Copper wire	Hot air line 0.08*24 shares	NANJINGJINNINGCO.,LTD	
2	Lead-free tin	Lead-free tin strips	QIAODO	
3	Magnetic sheets	$\varnothing 44 \times 0.8$ manganese-zinc hard magnetic sheet	TAIYI CO.,LTD	
4	glue	Yellow gum 9999	LIANCHENG CO.,LTD	
5	High temperature	8mm wide high temperature adhesive paper	CUDAK CO.,LTD	
6	Adhesive backing	$\varnothing 35 \times 0.1$	CUDAK CO.,LTD	

HRSW ELECTRONICS CO.,LTD

PART NO

TITLE

G44 slotted + adhesive

DRAWN BY

HE WEI HUA

CHECKED BY

WEI LI HONG

APPROVED BY

WEI LI HONG

# SPECIFICATION FOR APPROVAL

## 6. SAMPLE TEST DATA

### 6.1 DIMENSION TEST (UNIT:MM)

TEST ITEM	A	B	C	D	E	H			
SPEC	44±1.0	20.5±0.5	0.8±0.05	47±3	3±1.5	2.2MAX			
1	43.87	20.51	0.81	47.6	3.50	1.78			
2	43.89	20.49	0.8	46.5	3.60	1.82			
3	43.91	20.5	0.83	47.2	3.70	1.73			
4	43.98	20.52	0.82	48.1	3.80	1.86			
5	43.97	20.53	0.85	47.9	4.00	1.85			
6									
7									
8									
9									
10									
MAX	43.98	20.53	0.85	48.10	4.00	1.86			
MIN	43.87	20.49	0.80	46.50	3.50	1.73			
AVERAGE	43.92	20.51	0.82	47.46	3.72	1.81			

### 6.2 ELECTRICAL TEST

TEST ITEM	L		DCR	IDC		Q	HI-POT		
	S-F		S-F						
TEST COND	100KHz/0.25v		AT 25℃						
SPEC	6.4uH ±10%		60mΩ (Max)						
1	6.43		42.00						
2	6.49		42.30						
3	6.42		42.50						
4	6.49		42.10						
5	6.38		42.35						
6									
7									
8									
9									
10									
MAX	6.49		42.50						
MIN	6.38		42.00						
AVERAGE	6.44		42.25						

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G44 slotting + adhesive  
6.4uH

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