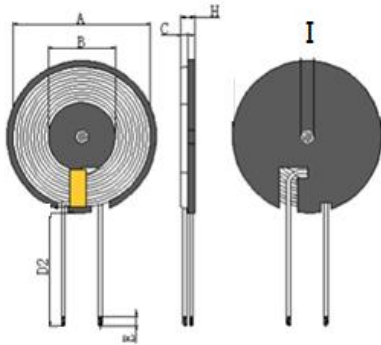
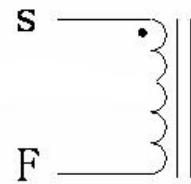


SPECIFICATION FOR APPROVAL

1.MECHANICAL DIMENSION (UNIT:mm)



2. SCHEMATICS:



1. Affix a magnetic sheet to the coil; the sheet dimensions are $43.5 \pm 1 \text{ mm}$, with a thickness of $0.5 \pm 0.05 \text{ mm}$.
Cut an L-shaped wire slot.
2. Coil Lead-out Position:
Wrap with adhesive tape (1-2 turns).
3. Apply adhesive backing to the underside of the magnetic shielding sheet.
4. Insert a $5 \times 1.5 \text{ mm}$ magnet into the center of the magnetic sheet.

A	B	C	D2	E	H	I			I
43.5 ± 1.0	$13. \pm 1.0$	0.5 ± 0.05	45 ± 3	4 ± 2	2.5MAX	5 ± 0.1			

3.WINDING:

STEP	START-FINISH	WIRE TYPE	TURNS	TAPE	REMARK
N1	S-F	$\varnothing 0.08 \times 24 \times 2 \text{Pmm}$ 2UEW	12TS (Ref)		

4. ELECTRICAL SPECIFICATION:

ITEM	L	DCR	L	Q-value	HI-POT
TEST CONDITION	Coil with Magnetic Sheet	S-F	Individual Coil		
	100KHz, 0.25V	AT 25°C	100KHz, 0.25V		
SPEC	$6.8 \mu\text{H} \pm 10\%$	$90 \text{m}\Omega$ Max	$3.8 \mu\text{H} \pm 15\%$		

5.BILF OF MATERIAL:

NO.	ITEM	MATERIAL SPECIFICATION	MANUFACTURER	SGS NO.
1	Hot Air Line	0.08×24	NANJINGJINNINGCO,LTD	
2	Lead-free Solder Bar	Lead-free Solder Bar	QIAODO	
3	Magnetic disk	$\varnothing 43.5 \times 0.8 \text{Manganese-Zinc Hard Ferrite Plate with Milled Slots}$	TAIYI CO.,LTD	
4	glue	Yellow Glue 9999	LIANCHENG CO.,LTD	
5	High-Temperature Adhesive Tape	7mm-Wide High-Temperature Adhesive Tape	CUDAK CO.,LTD	
6	Adhesive Backing	$\varnothing 43.5 \times 0.1$	CUDAK CO.,LTD	
7	magnet	5×1.5	CUDAK CO.,LTD	

HRSW ELECTRONICS CO.,LTD		PART NO	
		TITLE	G43.5 Slotting+45mm Adhesive Backing Inner bore: 13.0 mm
DRAWN BY	CHECKED BY		APPROVED BY
He Weihua	Wei Lihong		Wei Lihong

SPECIFICATION FOR APPROVAL

6. SAMPLE TEST DATA									
6. 1DIMENSION TEST (UNIT:mm)									
TEST ITEM	A	B	C	D	E	H	I		
SPEC	43.5±1.0	13.5±1.0	0.5±0.05	50±3	4±2	2.8MAX	5+0.1		
1	43.48	13.29	0.49	45.3	3.50	2.55	4.98		
2	43.51	13.37	0.51	46	3.60	2.56	4.96		
3	43.52	13.28	0.56	48	3.70	2.49	5.05		
4	43.46	13.19	0.52	47	3.80	2.52	5.03		
5	43.39	13.37	0.58	46	4.00	2.50	4.98		
6									
7									
8									
9									
10									
MAX	43.51.00	13.37	0.58	48.00	4.00	2.56	5.05		
MIN	43.39	13.19	0.49	45.30	3.50	2.49	4.96		
AVERAGE	904.97	13.30	0.53	46.46	3.72	2.52	5.00		
6. 2ELECTRICAL TEST									
TEST ITEM	L		DCR	IDC		Q	HI-POT		
	S-F		S-F						
TEST COND	100KHz/0.25v		AT 25℃						
SPEC	6.8uH ±10%		90mΩ (Max)						
1	6.62		52.00						
2	6.79		54.00						
3	6.67		53.00						
4	6.68		56.00						
5	6.72		52.00						
6									
7									
8									
9									
10									
MAX	6.79		56.00						
MIN	6.62		52.00						
AVERAGE	6.70		53.40						
HRSW ELECTRONICS CO., LTD					PART NO				
					TITLE		G43.5 Slotting+45mm Adhesive Backing Inner bore: 13.0 mm		
DRAWN BY			CHECKED BY				APPROVED BY		
He Weihua			Wei Lihong				Wei Lihong		