

**SPECIFICATION FOR APPROVAL**

**(CUSTOMER)** Shenzhen Tengsai Technology Co., Ltd

**(CUSTOMER P/N) :** T15

**(DESCRIPTION) :** DATE:2023-9-11

**(SPECIFICATION) :** G43.5 slotting+adhesive backing 140mm7.2uH REV.NO.:A0

Hongri Shengwei Technology acknowledges, signs and seals

Department	Confirmation/Date	Review/Date	Approved/date	(Stamped with the company seal)
Quality	Dong Wanhong <sub>2023-9-11</sub>	Lv Hui <sub>2023-9-11</sub>	Wei Hanman <sub>2023-9-11</sub>	
Engineering	He Weihua <sub>2023-9-11</sub>	Wei Lihong <sub>2023-9-11</sub>	Wei Lihong <sub>2023-9-11</sub>	

**Notes**

Hongri Shengwei Technology acknowledges, signs and seals

Department	Confirmation/Date	Review/Date	Approved/date	(Stamped with the company seal)
Engineering				
Procure				
Quality				

**Notes**

**HRSW ELECTRONICS CO.,LTD**

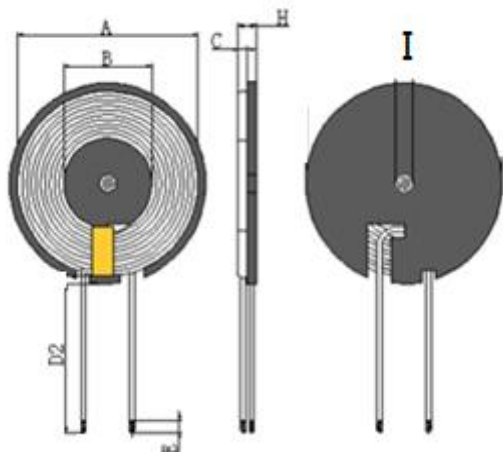
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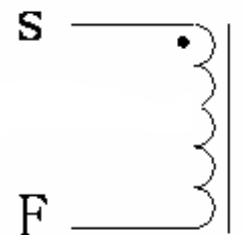
# SPECIFICATION FOR APPROVAL

## 1. MECHANICAL DIMENSION (UNIT:mm)



## 2. SCHEMATICS:

1. Coil mounting magnetic sheet, magnetic sheet size  $43.5 \pm 1\text{mm}$ ,  
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
4. The lead needs to be marked with ink



A	B	C	D2	E	H	I			I
43.5±1.0	16±1.5	0.8±0.1	140±3	4±2	2.8MAX	5±0.5			

## 3. WINDING:

STEP	START-FINISH	WIRE TYPE	TURNS	TAPE	REMARK
N1	S-F	silk covered wire $\phi 0.08 \times 105\text{mm}$ 2UEW	12TS (Ref)		

## 4. ELECTRICAL SPECIFICATION:

ITEM	L	DCR	Q value	HI-POT
TEST	Coil and magnetic plate	S-F		
CON	100KHz, 0.25V	AT 25°C		
SPEC	7.2uH ± 10%	100mΩ Max		

## 5. BILF OF MATERIAL:

NO.	ITEM	MATERIAL SPECIFICATION	MANUFACTURER	SGS NO.
1	0.08 * 105 strands of silk wire	Acetone silk wrap $0.08 \times 105$	NANJINGJINNINGCO,LTD	
2	Solder Bar	Solder Bar	QIAODO	
3	Magnetic sheet	$\phi 43.5 \times 0.8$ Manganese zinc hard magnetic sheet with L-slot	TAIYI CO.,LTD	
4	glue	Yellow Glue9999	LIANCHENG CO.,LTD	
5	High-temperature adhesive paper	7mmWide high-temperature adhesive paper	CUDAK CO.,LTD	
6	Adhesive backing	$\phi 41.5 \times 0.1$	CUDAK CO.,LTD	

HRSW ELECTRONICS CO.,LTD	PART NO	
	TITLE	G43. 5Slotting+adhesive backing 140mm7. 2uH
DRAWN BY	CHECKED BY	APPROVED BY
He Weihua	Wei Lihong	Wei Lihong

# SPECIFICATION FOR APPROVAL

6. SAMPLE TEST DATA									
6.1 DIMENSION TEST (UNIT: mm)									
TEST ITEM	A	B	C	D	E	H	I		
SPEC	43.5 ± 1.0	16 ± 1.5	0.8 ± 0.1	140 ± 3	4 ± 2	2.8 MAX	5 ± 0.5		
1	43.38	16	0.76	142	3.50	2.35	5.03		
2	43.51	15.9	0.78	139	3.60	2.34	5.02		
3	43.42	16.2	0.76	140	3.70	2.41	4.99		
4	43.62	15.8	0.86	141	3.80	2.38	5.01		
5	43.97	16.05	0.83	139	4.00	2.45	5		
6									
7									
8									
9									
10									
MAX	43.97	16.20	0.86	142.00	4.00	2.45	5.03		
MIN	43.38	15.80	0.76	139.00	3.50	2.34	4.99		
AVERAGE	43.58	15.99	0.80	140.20	3.72	2.39	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°C						
SPEC	7.2uH ± 10%		100mΩ (Max)						
1	7.21		58.00						
2	7.20		59.00						
3	7.19		58.60						
4	7.23		57.20						
5	7.25		58.90						
6									
7									
8									
9									
10									
MAX	7.25		59.00						
MIN	7.19		57.20						
AVERAGE	7.22		58.34						
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