

SPECIFICATION FOR APPROVAL

CUSTOMER: Xin Sen Intelligent Technology Co., Ltd.

CUSTOMER P/N: _____

DESCRIPTION): _____ **DATE:**2022/5/21

SPECIFICATION: G45 slotting + adhesive backing 50 long **REV.NO.:**A0

**Hong Rishengwei Technology acknowledges the
signing and stamping process.**

department	Confirm / Date	Review / Date	Approval / Date	(cover the company's official seal)
quality	Dong Wanhong 2021/5/20	Lu Hui 2021/5/20	Wei Hanma 2021/5/20	
engineering	He Weihua 2021/5/20	Wei Lihong 2021/5/20	Wei Lihong 2021/5/20	

Note:

**Xinsheng Intelligent Control Technology
acknowledges the signing and stamping.**

department	Confirm / Date	Review / Date	Approval / Date	(cover the company's official seal)
development engineering				
purchase				
quality				

Note:

HRSW ELECTRONICS CO.,LTD

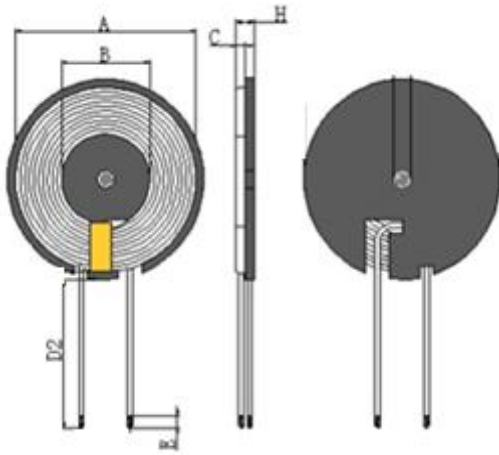
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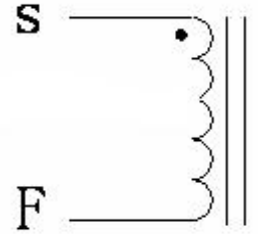
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1.MECHANICAL DIMENSION (UNIT:mm)



2. SCHEMATICS:



1. Attach the magnetic sheet to the coil. The size of the magnetic sheet is 45mm, with a thickness of 0.8 ± 0.05 mm and a rectangular slot is made.
2. The position where the coil is connected to the outside
Wrap adhesive tape 1-2 times.
3. Adhesive is attached to the back of the magnetic sheet.

A	B	C	D2	E	H				I
45 ± 1.0	20 ± 0.5	0.8 ± 0.05	50 ± 2	3 ± 1.5	2.6MAX				

3.WINDING:

STEP	START-FINISH	WIRE TYPE	TURNS	TAPE	REMARK
N1	S-F	Wire mesh coil: 0.08*105 strands, 2U EW	10TS (Ref)		

4. ELECTRICAL SPECIFICATION:

ITEM	L	DCR	L	Q值	HI-POT
TEST	Coil with magnetic sheet	S-F	Single coil		
CON	100KHz, 0.25V	AT 25°C	100KHz, 0.25V		
SPEC	$6.4\mu H \pm 10\%$	60mΩ Max	$3.8\mu H \pm 15\%$		

5.BILF OF MATERIAL:

NO.	ITEM	MATERIAL SPECIFICATION	MANUFACTURER	SGS NO.
1	silk-covered wire	Silk braided wire: 0.08 * 105 strands	NANJINGJINNINGCO,LTD	
2	Lead-free tin rod	Lead-free tin rod	QIAODO	
3	magnetic sheet	50*0.8 manganese-zinc hard magnetic sheet with L-shaped slot	TAIYI CO.,LTD	
4	glue	Yellow Glue 999	LIANCHENG CO.,LTD	
5	high-temperature adhesive tape	8mm wide heat-resistant adhesive tape	CUDAK CO.,LTD	
6	gum	Ø 48.5*0.1	CUDAK CO.,LTD	

HRSW ELECTRONICS CO.,LTD		PART NO	G45 slotting + adhesive backing 50mm
		TITLE	
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			
SPEC	45±1.0	20±0.5	0.8±0.05	70±2	3±1.5	2.6MAX			
1	44.67	20.11	0.81	50.15	3.50	2.56			
2	44.35	19.99	0.8	51.02	3.60	2.57			
3	44.8	20.05	0.83	50.86	3.70	2.56			
4	44.75	20.12	0.82	50.26	3.80	2.48			
5	44.56	20.11	0.85	50.8	4.00	2.45			
6									
7									
8									
9									
10									
MAX	44.80	20.12	0.85	51.02	4.00	2.57			
MIN	44.35	19.99	0.80	50.15	3.50	2.45			
AVERAGE	44.63	20.08	0.82	50.62	3.72	2.52			
6. 2ELECTRICAL 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	6.40		42.00						
2	6.38		42.30						
3	6.40		42.50						
4	6.40		42.10						
5	6.38		42.35						
6									
7									
8									
9									
10									
MAX	6.40		42.50						
MIN	6.38		42.00						
AVERAGE	6.39		42.25						
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