

SPECIFICATION FOR APPROVAL

CUSTOMER: Shenzhen Xingke Micro Technology Co., Ltd.

CUSTOMER P/N:A21174

DESCRIPTION : Magnetic suction coil **DATE:**2025-05-16

SPECIFICATION : G43.5 Slot (Magnetic Coil) 38mm **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 ₂₀₂₅₋₀₅₋₁₆	Lv Hui ₂₀₂₅₋₀₅₋₁₆	Wei Hanman ₂₀₂₅₋₀₅₋₁₆	
project	He Weihua ₂₀₂₅₋₀₅₋₁₆	Wei Lihong ₂₀₂₅₋₀₅₋₁₆	Wei Lihong ₂₀₂₅₋₀₅₋₁₆	

Remark:

Starchip Technology Co., Ltd. acknowledges the signing and stamping.

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

Remark:

HRSW ELECTRONICS CO.,LTD

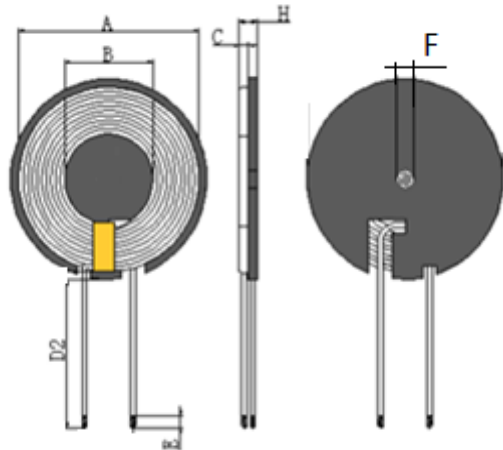
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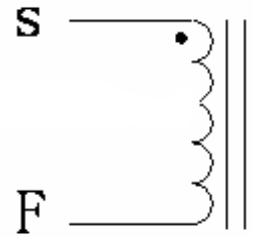
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SPECIFICATION FOR APPROVAL

1.MECHANICAL DIMENSION (UNIT:mm)



2. SCHEMATICS:



A	B	C	D2	E	H	F
43.5±1.0	20.5±0.5	0.5±0.05	49±3	4±2	2.2Max	5.3±0.05

3.WINDING:

STEP	START-FINISH	WIRE TYPE	TURNS	TAPE	REMARK
N1	S-F	Hot air lineø0.08*65mm 2UEW	10TS (Ref)		

4. ELECTRICAL SPECIFICATION:

ITEM	L	DCR	Q value	HI-POT
TEST	Coil with magnetic sheet	S-F	70	
COND	100KHz, 0.25V	AT 25°C		
SPEC	6.5uH±10%	85mΩ Max		

5.BILF OF MATERIAL:

NO.	ITEM	MATERIAL SPECIFICATION	MANUFACTURER	SGS NO.
1	Hot air line	Hot air line: 0.08 * 65 strands	NANJINGJINNINGCO,LTD	
2	Lead-free tin rod	Lead-free tin rod	QIAODO	
3	magnetic sheet	ø43.5*0.5*5.3 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	5mm wide heat-resistant adhesive tape	CUDAK CO.,LTD	

HRSW ELECTRONICS CO.,LTD		PART NO	
		TITLE	G43.5 Slot (Magnetic Coil) 38mm
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	F	
SPEC	43.5±1.0	20.5±0.5	0.5±0.05	38±3	4±2	2.1Max	5.3±0.05	
1	43.87	20.51	0.55	38.5	3.50	1.75	5.31	
2	43.89	20.53	0.53	38.9	3.60	1.78	5.31	
3	43.91	20.51	0.53	39.5	3.70	1.76	5.33	
4	43.98	20.49	0.52	39.1	3.80	1.73	5.32	
5	43.97	20.5	0.50	38.2	4.00	1.82	5.31	
6								
7								
8								
9								
10								
MAX	43.98	20.53	0.55	39.50	4.00	1.82	5.33	
MIN	43.87	20.49	0.50	38.20	3.50	1.73	5.31	
AVERAGE	43.92	20.51	0.53	38.84	3.72	1.77	5.32	
6.2ELECTRICAL TEST								
TEST ITEM	L		DCR	IDC		Q	HI-POT	
	S-F		S-F					
TEST COND	100KHz/0.25v		AT 25℃					
SPEC	6.5uH ±10%		68mΩ (Max)					
1	6.54		42.00					
2	6.49		40.30					
3	6.38		41.60					
4	6.51		42.03					
5	6.48		41.05					
6								
7								
MAX	6.54		42.03					
MIN	6.38		40.30					
AVERAGE	6.48		41.40					
HRSW ELECTRONICS CO.,LTD					PART NO			
					TITLE		G43.5 Slot (Magnetic Coil) 38mm	
DRAWN BY			CHECKED BY				APPROVED BY	
He Weihua			Wei Lihong				Wei Lihong	