

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	Lu Hui ₂₀₂₅₋₀₅₋₁₆	Wei Hanman ₂₀₂₅₋₀₅₋₁₆	
project	He Wei-Hua 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

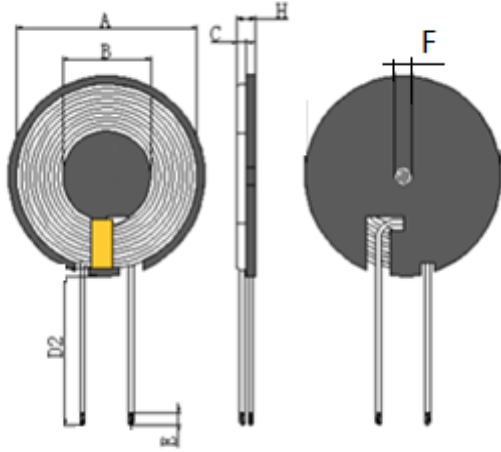
ADD: No. 1, 2nd Floor, 48 Zhuanwan Ring Wanquan Road, Longhua New District, Shenzhen City

TEL: +86-755-23461055 **FAX:** +86-0755-28015170

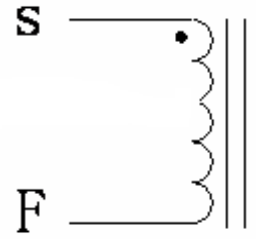
page:1/3

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 line ϕ 0.08*65mm 2UEW	10TS (Ref)		

4. ELECTRICAL SPECIFICATION:

ITEM	L	DCR	Q value	HI-POT
TEST CONDITION	Coil with magnetic sheet 100KHz, 0.25V	S-F AT 25°C	70	
SPEC	6.5uH±10%	85m Ω 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	ϕ 43.5*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 Wei-Hua	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	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		

6.2 ELECTRICAL 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 Wei-Hua			Wei Lihong				Wei Lihong	