

SPECIFICATION FOR APPROVAL

(CUSTOMER): Shenzhen Star Micro Technology Co., LTD

(CUSTOMER P/N) :A19107

(DESCRIPTION) : **DATE: Jan. 16, 2025**

(SPECIFICATION) : G43.5 slotted (magnetic coil) 45mm **REV.NO.:A0**

Hongri Shengwei technology admitted to sign, seal

department	Confirmation/Date	Audit/Date	Approval/Date	(seal)
quality	Dong WanhongJan. 16, 2025	Lv HuiJan. 16, 2025	Wei HanmanJan. 16, 2025	
project	He Weihua Jan. 16, 2025	Wei LihongJan. 16, 2025	Wei LihongJan. 16, 2025	

remark:

Xingke Micro Technology Co., Ltd. acknowledges the signing, sealing

department	Confirmation/Date	Audit/Date	Approval/Date	(seal)
project				
purchase				
quality				

remark:

HRSW ELECTRONICS CO.,LTD

ADD: 2nd Floor, Building 1, No. 48 Huanguan Middle Road, Guanlan, Longhua New District, Shenzhen

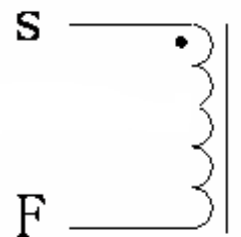
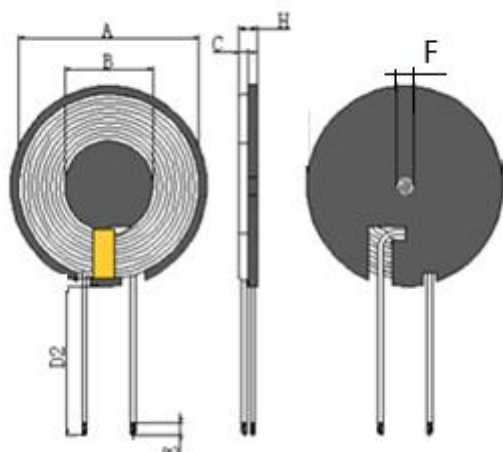
TEL: +86-755-23461055 FAX: +86-0755-28015170

page:1/3

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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	45±3	4±2	2.2Max	5±0.05

3.WINDING:

STEP	START-FINISH	WIRE TYPE	TURNS	TAPE	REMARK
N1	S-F	Hot air cable ø0.08 x 65mm 2UEW	10TS (Ref)		

4. ELECTRICAL SPECIFICATION:

ITEM	L	DCR		Q Value	HI-POT
TEST COND	Coil and diskette	S-F			
	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 wire	Hot air wire 0.08*65 strands	NANJINGJINNINGCO,LTD	
2	Lead-free tin strip	Lead-free tin strip	QIAODO	
3	magnetic sheet	ø43.5*0.5*5.0 manganese zinc hard disk with L slot	TAIYI CO.,LTD	
4	glue	Yellow gum 9999	LIANCHENG CO.,LTD	
5	high-temperature adhesive tape	5mm wide high temperature adhesive paper	CUDAK CO.,LTD	

HRSW ELECTRONICS CO.,LTD		PART NO	
		TITLE	G43.5 slotted (magnetic coil) 45mm
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	45 ±3	4±2	2. 2Max	5. 0±0. 05		
1	43.87	20.51	0.55	45.2	3. 50	1. 60	5. 01		
2	43.89	20.53	0.53	45.7	3. 60	1. 50	5. 02		
3	43.91	20.51	0.53	46.6	3. 70	1. 62	5. 03		
4	43.98	20.49	0.52	44.3	3. 80	1. 70	5. 01		
5	43.97	20.5	0.50	44.9	4. 00	1. 82	4. 99		
6									
7									
8									
9									
10									
MAX	43. 98	20. 53	0. 55	46. 60	4. 00	1. 82	5. 03		
MIN	43. 87	20. 49	0. 50	44. 30	3. 50	1. 50	4. 99		
AVERAGE	43. 92	20. 51	0. 53	45. 34	3. 72	1. 65	5. 01		
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		G43.5 slotted (magnetic coil) 45mm		
					TITLE				
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He Weihua			Wei Lihong				Wei Lihong		