

SPECIFICATION FOR APPROVAL

CUSTOMER:

959#

ROHS

CUSTOMER P/N:

TITLE:SMD INDUCTANCE

DATE: 2024-1-31

HRSW WIEMODLE :COiL G41.5 /0.08*24*2P 43mm

REV. NO. :A0

PLEASE RETURN TO US COPY OF "SPECIFICATION FOR APPROVAL "WITH YOUR APPROVED

APPROVED	☐	REJECTED	☐	“ ✓ ”
CUSTOMER’S SIGNATURE				

REV	DATE	CHANGED CONTENTENTS &CHANGED REASONS	DRAWN	CHECKED	APPROVED
A0	2024/1/31	NEW RELEASE	XieYang	WelLiHong	HeDongYun

HONGRESHENGWU ELECTRONICS CO.,LTD

ADD: SHONG YUAN LNDUSTRIAL DISTRICT,, GUAN LAN TOWN

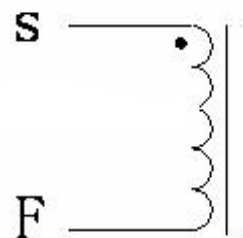
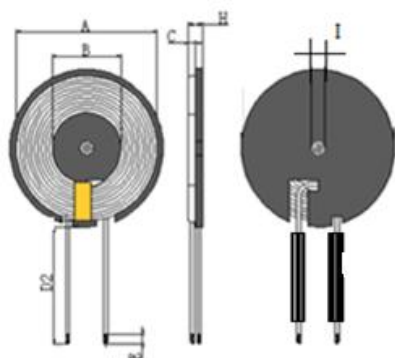
TEL:0755-28015170 FAX:23461055

SHEN ZHEN CITY,GUANGDONG,CHINA.

SPECIFICATION FOR APPROVAL

1.MECHANICAL DIMENSION (UNIT:mm)

2. SCHEMATICS:



A	B	C	D2	E	H	I			
41.5±0.5	20.5±0.5	0.65±0.05	43±3	4±2	2.1MAX	5.0±0.2			

3.WINDING:

STEP	START-FINISH	WIRE TYPE	TURNS	TAPE	REMARK
N1	S-F	Ø 0.08*24mm 2UEW 2UEW-F	10TS (Ref)		

4. ELECTRICAL SPECIFICATION:

ITEM	L	DCR	IDC	HI-POT
TEST	S-F	S-F	S-F	
CON	100KHz, 0.25V	AT 25°C	100KHz, 0.25V AT 25°C	
SPEC	6.5uH±10%	120mΩ Max	2.8A Inductance drop:±30%at 1sat	

5.BILF OF MATERIAL:

NO.	ITEM	MATERIAL SPECIFICATION	MANUFACTURER	SGS NO.
1	CORE	Ø 41.5*0.8L	LIXINGCO,LTD	
2	WIRE	Ø 0.08*24mm 2UEW-F	TAIYI CO.,LTD	
3	STICKER	38*0.1	LIANCHENG CO.,LTD	
54	BUSHING	PE 1.0*41mm	LIANCHENG CO.,LTD	
5	EPOXY	9999	CUDAK CO.,LTD	

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XieYang		WelliHong	HeDongYun

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6. SAMPLE TEST DATA

6.1 DIMENSION TEST (UNIT:mm)

TEST ITEM	A	B	C	D	E	H			
SPEC	41.5±0.5	20.5±0.5	0.65±0.05	43±3	4±2	2.1MAX	5.0±0.2		
1	43.52	20.51	0.62	42.00	4.00	1.76	5.01		
2	43.51	20.49	6.50	43.00	3.50	1.75	5.03		
3	43.49	20.50	6.50	42.50	4.20	1.72	4.98		
4	43.38	20.53	6.48	42.60	3.80	1.73	4.96		
5									
6									
7									
8									
9									
10									
MAX	43.52	20.53	6.50	43.00	4.20	1.76	5.03		
MIN	43.38	20.49	0.62	42.00	3.50	1.72	4.96		
AVERAGE	43.48	20.51	5.03	42.53	3.88	1.74	5.00		

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%		120mΩ Max						
1	6.42		80.00						
2	6.58		81.00						
3	6.57		81.50						
4	6.49		80.60						
5	6.65		80.40						
6									
7									
8									
9									
10									
MAX	6.65		81.50						
MIN	6.42		80.00						
AVERAGE	6.54		80.70						

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