



PRODUCT SPECIFICATION FOR APPROVAL

CUSTOMER: Fushida

PRODUCT NAME: Wireless charging coil

PART No.: 190-0437-0-000

PRODUCT SPEC:
Inductance: 8.0uH $\pm$ 10%
Shielding spec: 42.4*0.65with two straight grooves
+20*0.8 with a straight groove(additional shielding)
Wire spec: 2 UEW/155 0.08*65*11Ts (20.5mm inner diameter)
Segment Length: 36mm (spacing less than 5 mm)
3mm high temperature gold finger
8mm high temperature gold finger on back L groove
Double Sided Adhesive Tape on shielding side
Rated current: 5A

DATE: 2026/03/02

VERSION: REV 1.0

Revision	Modified Content	Principle	Date	Note
REV 1.0	First release-English Version	Xiaoju zhou	2026-03-02	
PREPARED BY		CHECKED BY	APPROVED BY	

Authorized signature & company chop		
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Attached is the product specification , any questions, please timely feedback to us, thank you!



Shenzhen Chenxing Electronic Technology Co., Ltd.

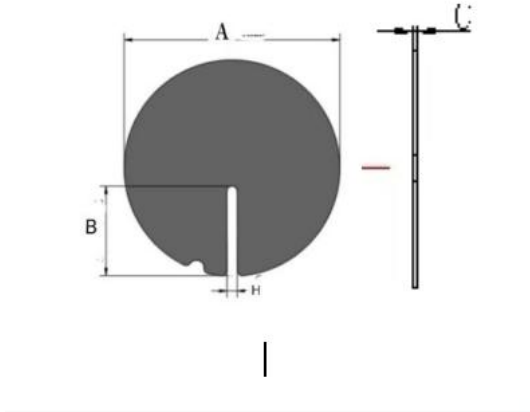
Version Change History

版本记录 Revision	变更前 Before change	变更后 After change	变更日期 Date	批准 Approval by

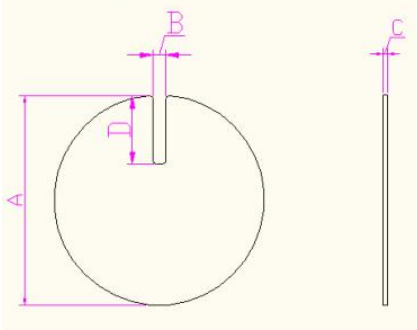


SPECIFICATION

一、 Ferrite 1-42.5*0.65 with two straight grooves

	*A	42.4±0.4
	*B	17.5±0.3
	*C	0.65±0.05
	H	2.4±0.4

二、 Ferrite 2-20*0.8 with a straight groove(additional shielding)

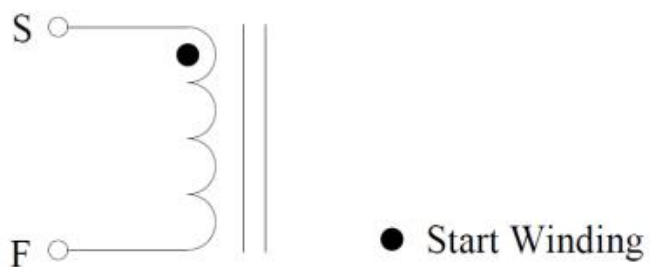
	A	20 ±0.50
	B	1.5±0.3
	C	0.8±0.08
	D	4.0±0.3



三、Dimension specification:

	Coil Inner Diameter	$20.5 \pm 0.5\text{mm}$
	Coil Outer Diameter	$39 \pm 1.5\text{mm}$
	Total Thickness	$<2.0\text{mm}$
	Segment Length	$36 \pm 2\text{mm}$
	Pin Length	$1.5 \pm 1\text{mm}$
	Adhesive Tape	Double Sided Adhesive Tape on shielding side
	Other	8mm high temperature gold finger on back L groove
	High temperature gold finger tape	3mm

四、Schematic:





五、Coil specification

TERMINAL		WIRE	Turns	Winding Direction
S	F	0.08*65P	11Ts	CCW

六、Electrical Specification:

TEMPERATURE:25±10°C, RELATIVE HUMIDITY:65±20%

ITEM	SPECIFICATION	TEST FREQUENCY	TEST EQUIPMENTS
L	8.0uH±10%	100KHz/1.0V	VICTOR 4092D
Q	大于 70		

七、Environment character

ITEM	SPEC
Operating Temperature and Humidity	-30°C-80°C/30%-90%
Storage Temperature and Humidity	-40°C-90°C/30%-90%

八、Material List

Items	Materials	SPEC
1	Wire	0.08*65p 2UEW
2	Shielding	42.4*0.65with two straight grooves +20*0.8 with a straight groove(additional shielding)
3	Glue	white emulsion
4	Tin	Environmentally friendly lead-free materials
5	Double Sided Adhesive Tape	Double Sided Adhesive Tape on shielding side , with tear-off slot
6	3mm high temperature gold finger	3mm high temperature gold finger 8mm high temperature gold finger



九、Figure



十、Sample Test Parameters

深圳市宸兴电子技术有限公司样品检验报告												
客户名称:	富士达				项目名称:			发射线圈				
负责人:	周小菊				检验日期:			2026/1/13				
检测人员:	李小云				数量			10 PCS				
产品规格:	感量规格: 8.0uH±10% 磁片规格: 42.4*0.65双直槽+20*0.8开槽 线材规格: 0.08*65*11Ts (20.5mm内径) 出线长度: 36mm间距小于等于5mm 普通背胶/3mm高温胶带 反面L槽两条线中间增加8mm高温胶带 额定电流: 5A											
测试设备:	高斯计、游标卡尺、LCR电桥											
检测参数:	一：外观检测	规格	检测结果									
			样品1	样品2	样品3	样品4	样品5	样品6	样品7	样品8	样品9	样品10
	1、磁片外径	42.4±0.4mm	42.2	42.1	42.2	42.3	42.1	42.2	42.3	42.1	42.2	42.2
	2、磁片厚度	0.65±0.05	0.64	0.63	0.64	0.64	0.64	0.63	0.63	0.64	0.64	0.65
	3、线圈外径	39±1.5mm	39.5	39.6	39.6	39.5	39.8	39.8	39.8	39.7	39.6	39.8
	4、线圈内径	20.5±0.5mm	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5
	5、产品厚度D (不含漆层)	<2.0mm	1.9	1.91	1.89	1.92	1.92	1.85	1.9	1.85	1.9	1.87
	6、出线长度	36±2mm	35	36	35	36	36	36	35.5	36.5	34	35
	7、锡头长度	1.5±1mm	2	1.8	2	2	2	1.5	2	2	2.3	2
	二、电性能参数检测	规格	检测结果									
			8、电感量检测L	8.0uH±10%	7.89	7.84	7.8	7.83	7.78	7.82	7.83	7.78
	9、Q值	大于70	81	81	80	80.6	80.2	80	80.6	79.8	79.3	80
	10、R值	≤70mΩ	61	60.5	61	60.67	60.9	61	60.9	61	61.8	61.2