

## SPECIFICATION FOR APPROVAL

Acknowledged Status	Trial Production		Mass Production	
Supplier Name	Shenzhen Taoruan Electronics Co., Ltd.			
Product Model	<b>A11</b>			
Coding				
Assembly Plant Code				
Material Name	<b>A11</b> Single Coil			
Specification Description	A11 Coil, Inductance: 6.3 $\mu$ H $\pm$ 10%, Magnetic Sheet Diameter: 50mm, Thickness: 1.0mm, Center Hole Diameter: 5.3mm, Magnetic Sheet with Grooves for Wires, Outer Diameter of Coil: 41mm, Inner Diameter of Coil: 20.5mm, Silk-wound Wire: 0.08mm x 105 Turns (10TS), Attached with 2.5mm thick EVA Foam Padding, Total Coil Thickness: 4.8mm, Lead Wire Length: 15mm, Tinned Length: 3mm, Compliant with ROHS Regulations.			
Admitted Version				
Environmental Protection Requirements	<b>ROHS</b>			
Submission Acknowledgement Date	<b>2023/8/4</b>			
Supplier Address	No. 701, Building 10, 3rd Industrial Zone, Wulian Team Community, Shangcun, Gongming Street, Guangming District, Shenzhen City, Guangdong Province, China			
Supplier Telephone Number or Fax Number	<b>13824883512</b>			
Supplier Email Address or Website	<a href="mailto:891950131@QQ.com">891950131@QQ.com</a>			
<b>APPROVED BY</b>				

Supplier Approval	RD or Engineering Department	Business Sales	Quality	Approval
Customer Approval	Engineering Approval	Approval	Quality	Procurement

Address:

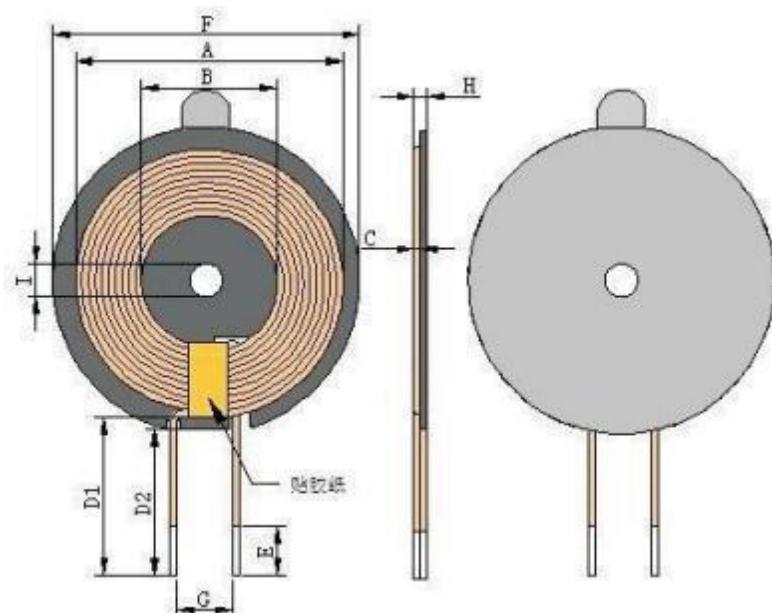
Telephone:

Web Address:

## Version Change History

**SPECIFICATION**

DESC	<b>Φ20.5x41-10Ts-0.08*105-15mm-CLB</b>	Rev: A 0	CUST:	
			Fine P/N:	
			CUST P/N:	

**一、 DIMENSION:(mm)**

A	41.0 ± 1
B	20.5 ± 0.5
C	1.0 ± 0.1
D1	17 ± 2
D2	15 ± 2
E	3-5 mm
F	50 ± 0.5
G	11.0 ref
H	4.8 ± 0.2 Max
I	5.3 ref

## Note:

1. A coil is attached with a magnetic sheet, which measures  $50 \pm 0.5$  mm in dimension, has an inner hole diameter of 5.3mm, and a thickness of  $1.0 \pm 0.1$  mm. It features a double-slot design.
2. On the coil wire exit position, wrap a width of  $8\text{mm} \pm 0.5\text{mm}$  high-temperature adhesive tape.
3. On the backside of the magnetic sheet, adhere a circular EVA foam pad with a pull-tab for easy removal. The foam pad has a diameter of 48mm (reference dimension), an inner hole diameter of 7.0mm (reference dimension), and a thickness of 2.5mm.

**二、 SCHEMATIC DIAGRAM:****三、 Winding Specification:**

NO	TERMINAL	WIRE	Turns	Winding Direction
1	S F	silk covered wire 0.08*105P	10Ts	CCW

**四、 ELECTRICAL CHARACTERISTICS:**

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

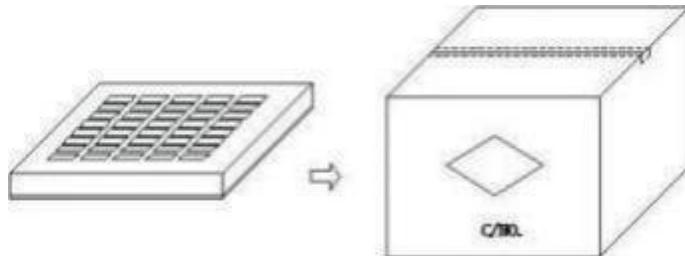
NO	ITEM	TERMINAL	SPECIFICATION	TEST FREQUENCY	TEST EQUIPMENTS
1	IND.	S-F	3.8uH ±20% single coil	100KHz/1.0V	LCZ METER 1062B
2	IND.	S-F	6.5 uH ±10% add magnetic sheets	100KHz/1.0V	LCZ METER 1062B
3	Q factor	S-F	≤60(ref) add magnetic sheets	100KHz/1.0V	LCZ METER 1062B
4	DCR	S-F	≤70m Ω		LCZ METER 502B

PREPARED BY/DATE

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**五、PACKONG:****5. 1 Packing pictures:****5.2 Packing Quantity:**

Item	Quantity	Material	
Box	350 Pcs	370*265*55mm	
Big Carton	1400 Pcs	390*270*245mm	

5.3 The packaging shall be based on the existing packing plate and the actual delivery package shall prevail. If there is any requirement, we can customize it.

**六、Material list:**

number	Material name	Description	Manufacturer
1	silk covered wire	silk covered wire 0.08*105P	Dongguan Jinjieyuan Electronic Materials Co., Ltd.
2	Lead-Free Solder Bar	Lead-Free Solder Bar	Shenzhen Daoqin Tin Industry Co., Ltd.
3	Magnetic Sheet	Φ50*5.3*1.0 mm Manganese Zinc Hard Ferrite Sheet	Guangzhou Ruijing Advanced Materials Technology Co., Ltd.
4	glue	201 glue	Dongguan Feiquan Electronic Materials Co., Ltd.
5	High-Temperature Adhesive Tape	8mm Wide High-Temperature Adhesive Tape	Dongguan Zhixing Adhesive Tape New Materials Co., Ltd.
6	Perforated Double-sided Adhesive Tape	Circular Foam with Diameter of 48mm (Reference) and Thickness of 2.5mm	Shenzhen Hongweida Technology Co., Ltd.

PREPARED BY/DATE	CHECKED BY/DATE