

SPECIFICATION FOR APPROVAL

Acknowledged Status	Trial Production		Mass Production
Supplier Name	Shenzhen Taoruan Electronics Co., Ltd.		
Product Model	A11		
Coding			
Assembly Plant Code			
Material Name	A11 Single Coil		
Specification Description	A11 Coil, Inductance: 6.3μH ±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	ROHS		
Submission Acknowledgement Date	2023/8/4		
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	13824883512		
Supplier Email Address or Website	891950131@qq.com		
APPROVED BY			

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

Address:

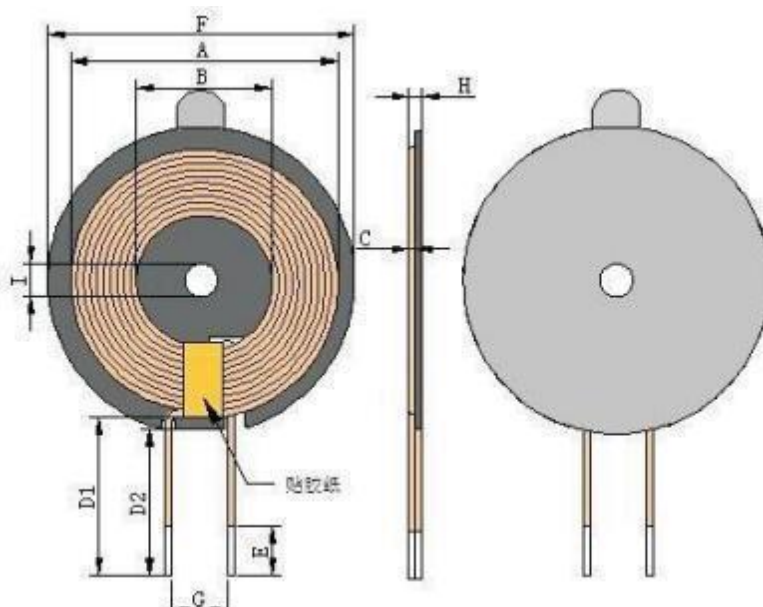
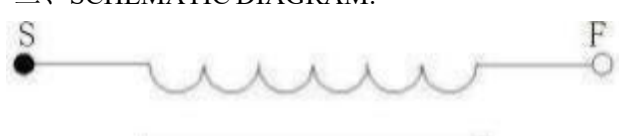
Telephone:

Web Address:

Version Change History

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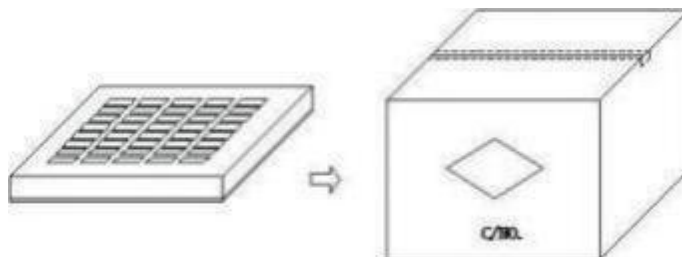
DESC	Φ 20.5x41-10Ts-0.08*105-15mm-CLB	Rev: A 0	CUST:																															
			Fine P/N:																															
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<div>一、DIMENSION:(mm)</div> <div></div>			A	41.0±1																														
			B	20.5±0.5																														
			C	1.0+/-0.1																														
			D1	17±2																														
			D2	15±2																														
			E	3-5mm																														
			F	50±0.5																														
			G	11.0 ref																														
			H	4.8±0.2 Max																														
			I	5.3 ref																														
						<div>Note:</div> <div>1. A coil is attached with a magnetic sheet, which measures 50 ± 0.5mm in dimension, has an inner hole diameter of 5.3mm, and a thickness of 1.0 ± 0.1mm. It features a double-slot design.</div> <div>2. On the coil wire exit position, wrap a width of 8mm ± 0.5mm high-temperature adhesive tape.</div> <div>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.</div>																												
<div>二、SCHEMATIC DIAGRAM:</div> <div></div>																																		
<div>三、Winding Specification:</div> <table><tr><td>NO</td><td colspan="2">TERMINAL</td><td>WIRE</td><td>Turns</td><td>Winding Direction</td></tr><tr><td>1</td><td>S</td><td>F</td><td>silk covered wire 0.08*105P</td><td>10Ts</td><td>CCW</td></tr></table>			NO	TERMINAL		WIRE	Turns	Winding Direction	1	S	F	silk covered wire 0.08*105P	10Ts	CCW																				
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<div>四、ELECTRICAL CHARACTERISTICS:</div> <div>TEMPERATURE :25 ±10 °C, RELATIVE HUMIDITY :65 ±20%</div> <table><tr><td>NO</td><td>ITEM</td><td>TERMINAL</td><td>SPECIFICATION</td><td>TEST FREQUENCY</td><td>TEST EQUIPMENTS</td></tr><tr><td>1</td><td>IND.</td><td>S-F</td><td>3.8uH ±20% single coil</td><td>100KHz/1.0V</td><td>LCZ METER 1062B</td></tr><tr><td>2</td><td>IND.</td><td>S-F</td><td>6.5 uH ±10% add magnetic sheets</td><td>100KHz/1.0V</td><td>LCZ METER 1062B</td></tr><tr><td>3</td><td>Q factor</td><td>S-F</td><td>≤60(ref) add magnetic sheets</td><td>100KHz/1.0V</td><td>LCZ METER 1062B</td></tr><tr><td>4</td><td>DCR</td><td>S-F</td><td>≤70m Ω</td><td></td><td>LCZ METER 502B</td></tr></table>			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		
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			Fine P/N:	
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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