



产品承认书 SPECIFICATION FOR APPROVAL

客户名称:

CUSTOMER

我司料号:

OUR PART NO.

XRSQ3835-900uH-V-1622

我司品名:

OUR PART NAME

SQ flat wire inductor

送样日期:

DATE SAMPLES

数量:

QUANTITY

制造确认 MANUFACTURER APPROVE

拟制 DRAWN	审核 CHECKED	确认 APPROVED
Hu Fangting	RaoPing	Zhong Cuilan

客户确认 CUSTOMER APPROVE

客户名称 CUSTOMER NAME:

客户料号 CUSTOMER P/N:

SQ3835 Vertical 900uH 3.5*1.5 Wire 16*22.2 Pin
Pitch

规格型号 DESCRIPTION:

检查结果: ☐ 合格 ☐ 不合格

签名及盖章:

INSPECT RESULT ACCEPT REJECT

SIGNATURE AND STAMP

说明 REMARK:

如对本承认书内容有异议请提出或标记发送至我司, 本承认书在未收到异议回复时于本承认书提供一周后生效。

If you have any objection to the contents of this acknowledgment, please raise it or send the mark to us.
The acknowledgment will become effective one week after the acknowledgment is provided in the absence of any objection.

东莞市祥如电子有限公司

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修订记录 Revision record

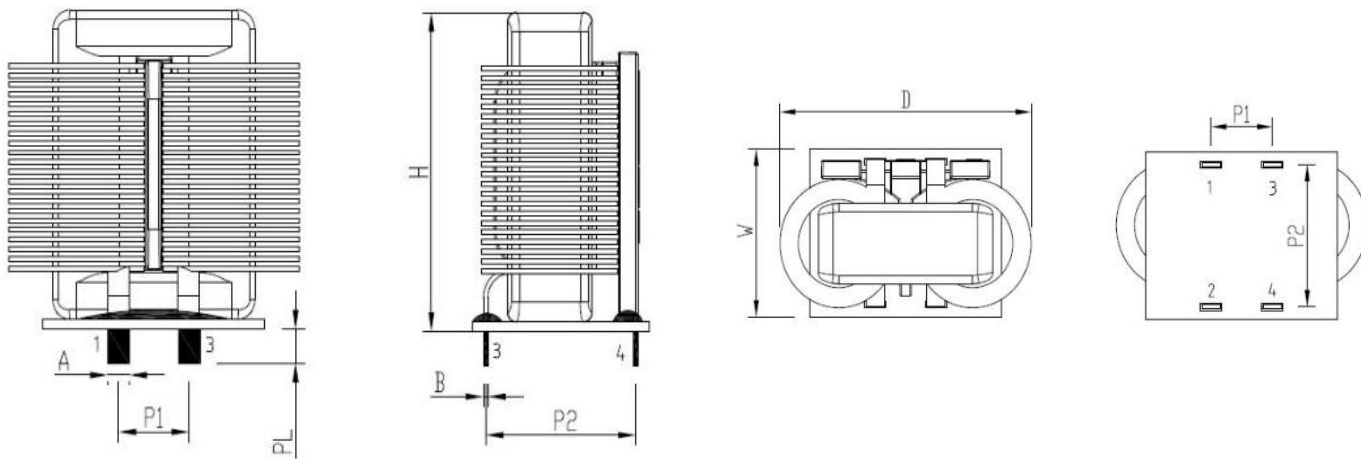
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SPECIFICATION FOR APPROVAL

客户名称 CUSTOMER		日期 DATE	2025/10/27
客户物料编号 CUSTOMER P/N		客户规格型号 DESCRIPTION	SQ3835 Vertical 900uH 3.5*1.5 Wire 16*22.2 Pin Pitch
我司物料编号 OUR PART NO	XRSQ3835-900uH-V-1622	我司品名 OUR PART NAME	SQ flat wire inductor

Installation Dimensions and Outline Drawing:

一：安装尺寸及外形图：

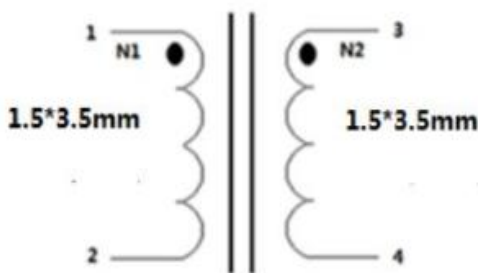


Inductor Dimensions (mm)

H	D	W	P1	P2	A	B	PL	
39.0MAX	48.0MAX	28.5MAX	16.0±0.5	22.2±0.5	3.5±0.5	1.5±0.5	4.0±1.0	

Schematic Diagram

二：原理图



Winding Structure Diagram:

三：绕线结构图：

绕组 Winding	进出线脚位 Input/output pin positions	线径*股数 Wire Diameter*Number of Strands	圈数 Number of laps
N1	1-2	1.5mm*3.5mm*1P	10TS (±1TS)
N2	3-4	1.5mm*3.5mm*1P	10TS (±1TS)



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四：电气特性（Electrical Characteristics）：

NO.	Project	Test point	Specifications	测试条件（Test Conditions）
1	额定电压	N1, N2	264VAC	50HZ/60HZ
2	额定电流	N1, N2	33. 0A@55℃ 40. 0A@25℃	无风冷条件，单独电感测试
3	电感量L	L (1-2/3-4)	≥0.9mH Min	1KHZ 0. 3V@25℃ 备注② 测试仪器内阻：100Ω
4	直流电阻DCR	L1-L2	2. 5mΩ MAX	(25℃±2℃)
7	绝缘耐压	N1-N2	漏电流≤1mA	1000VAC@3S:
		N1, N2-CORE	漏电流≤1mA	

备注①：电感量随温度变化，当环境温度低于 25℃或者高于 25℃时，静态电感量随之变化，来料验证以 25℃时测试值为准。
Inductance varies with temperature. When the ambient temperature is below 25° C or above 25° C, the static inductance changes accordingly. Incoming material verification shall be based on the test values measured at 25° C.

五：使用温度范围：-40℃ TO +120℃；
Operating temperature range: -40° C to +120° C;



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六：材料清单（Bill of Materials）：

NO.	项目 Project	规格详述 Specification Details	供应商Supplier	UL NO.
1	磁芯 Magnetic core	SQ3835	Shandong Hengrui Magnetic & Electric / Dongguan Jiuxing Magnetic Materials or equivalent material manufacturers	/
2	扁铜线Flat copper wire	1.5X3.5mm 耐温 220℃	Tailison New Materials / Lizwei Electric / Jiaten Electric or manufacturers of equivalent materials	E318511 E499370 E504985
3	环氧板 Epoxy board	FR-4	Hongcheng Composite Materials / Anhui Yisola Composite Materials or equivalent material manufacturers	E344098 E510612
4	凡立水 Fanlishui	E962	Zhuhai Changxian New Materials Technology or manufacturers of equivalent materials	E335405
6	AB胶 AB adhesive	H CJ800A/B	Dongguan Hongchuang Electronic Materials Co., Ltd. or manufacturers of equivalent materials	E504240
7	焊锡 Solder	Sn99% Pb-free Bar Solder	Huizhou Yuexin Electronic Materials Co., Ltd. or manufacturers of equivalent materials	/
8				

七：工艺要求（Process Requirements）：

1:绕线要求平整美观，漆包膜不可破损或脱落；

Winding must be smooth and aesthetically pleasing; the enameled film must not be damaged or detached.

2:圈数以内圈计算；

Counting within the inner circle

3:产品需涂凡立水烘干；

The product requires application of varnish and drying.

4:产品符合 ROHS 2.0 环保要求；

The product complies with ROHS 2.0 environmental requirements.

5: 因电感线径太粗，焊锡温度比传统线径要高且时间长，底板环氧板偶尔可能出现焦黄的现象。经验证，对产品性能无影响，只是外观有瑕疵，请放心使用；

Due to the thicker wire diameter of the inductors, soldering requires higher temperatures and longer durations compared to conventional wire gauges. This occasionally results in slight yellowing of the epoxy substrate. Testing confirms this has no impact on product performance and is solely an aesthetic flaw. Please use with confidence.