



产品承认书 SPECIFICATION FOR APPROVAL

客户名称:

CUSTOMER

我司料号:

OUR PART NO.

XREC4420-25061101

我司品名:

OUR PART NAME

Transformer

送样日期:

DATE SAMPLES

数量:

QUANTITY

制造确认 MANUFACTURER APPROVE

拟制 DRAWN	审核 CHECKED	确认 APPROVED
Hufangting	RaoPing	ZhongCuilan

客户确认 CUSTOMER APPROVE

客户名称 CUSTOMER NAME:

客户料号 CUSTOMER P/N:

规格型号 DESCRIPTION:

XREC4420 Horizontal 8+8 390uH

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

[illegible]

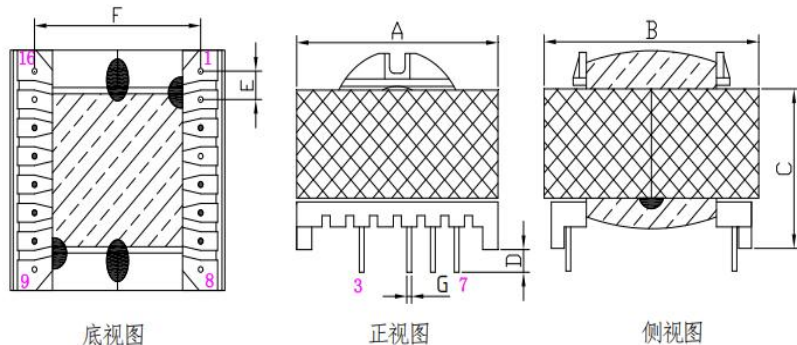
产品承认书

SPECIFICATION FOR APPROVAL

客户名称 CUSTOMER		日期 DATE	2025/9/17
客户物料编号 CUSTOMER P/N		客户规格型号 DESCRIPTION	XREC4420 Horizontal 8+8 390uH
我司物料编号 OUR PART NO	XREC4420-25061101	我司品名 OUR PART NAME	Transformer

一、外观尺寸 Appearance of size

单位 Unit: mm



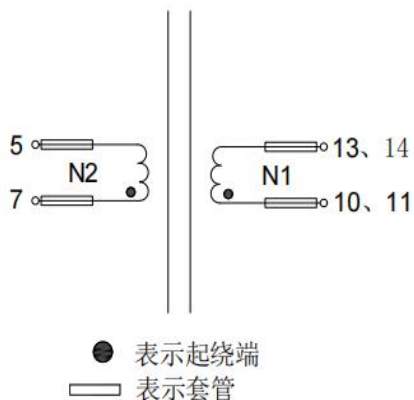
A	B	C	D	E	F	G
44.0max	45.0max	36.0max	4.0±0.5	5.0±0.3	35.0±0.5	1.0±0.1

(以上尺寸为手工测量只做参考详细尺寸以实物为准) (The above dimensions are measured by hand for reference only. The detailed dimensions are subject to the physical objects.)

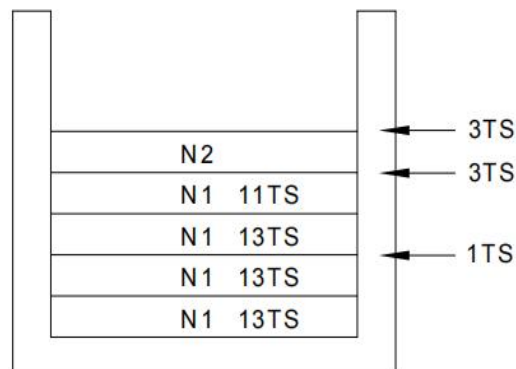
NOTE:

- 骨架为EC4420卧式8+8PIN, 空1、2、4、8、9、15、16脚;
The frame is an EC4420 Horizontal 8+8-pin connector with pins 1、2、4、8、9、15、16 and 11 left vacant.
- PIN-8朝左顺转绕制, 产品胶带颜色为淡黄色;
Wrap the PIN-8 clockwise to the left; the product tape is light yellow.
- 磁芯需开双气隙+中柱点胶, 用19.5mm胶带包2TS固定;
The magnetic core requires dual air gaps and center pillar adhesive application, secured with 19.5mm tape wrapped around 2TS.
- PIN1 PIN9针脚侧骨架与磁芯结合处点胶, 底部两磁芯与线包结合处点胶 (共4点);
Apply adhesive at the junction between the side frame and magnetic core at pins 1 and 9; Apply adhesive at the junction between the two bottom magnetic cores and the wire coil (total of 4 points).
- 产品需真空含浸, 烘干, 无铅制程, 所有材料符合ROHS要求;
The product requires vacuum impregnation and drying, employs a lead-free manufacturing process, and all materials comply with ROHS requirements.
- 顶部标签、内容; Top Tab, Content;
Screen printing 丝印: LW27U19-BUCK-3B YYWW

原理图Schematic. :



CONNECT:





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绕线结构 /WINDING STRUCTURE:

WDG	Pin S-F	Material	Turns	Tape	TUBE		Remarks
					BEGIN	FINISH	
N1	10、11—13、14	2UEW-F Φ 0.05mm*550P	50Ts	3TS*28mm	13L*20mm	13L*20mm	2层线圈加1Ts层间胶带
N2	7—5	2UEW-F Φ 0.30mm*1P	5Ts	3TS*28mm	26L*20mm	26L*20mm	居中均匀疏绕/线距 $\geq$ 2mm

电气性能/ELECTRICAL PROPERTIES (at 25℃):

NO.	名称 ITEM	MEASUREMENT (POINT)	TECHNICAL DATA	TEST INSTRUMENTS
1	INDUCTANCE	L:10、11-13、14	390uH-410uH	10KHZ 1V at 25℃ CH1062
2	L. K INDUCTANCE	LK:*	*uH Max (短路其它绕组)	10KHZ 1V at 25℃ CH1062
3	HT-POT	P-S	AC2.0KV 1mA 3S	CC2671A
4		W-C	AC1.5KV 1mA 3S	
5	DCR	10、11-13、14	88m Ω Max	10KHZ 1V at 25℃ CH1062
6	Q值	10、11-13、14	>320	10KHZ 1V at 25℃ CH1062
7	LR	P-C	DC500V >100M Ω	CC2671A

备注: L-电感 LK-漏感 P-初级 S-次级 C-磁芯 LR-绝缘电阻 W-绕组

材料表 /MATERIAL LIST:

NO.	名称 ITEM	型号 TYPE	UL RATING	制造商 SUPPLERS	UL NO.
1	CORE	EC42/20 PC95 或同等	/	SHANGHAI JISHENG MAGNETIC MATERIAL CO.,LTD	N/A
2	BOBBIN	PHENOLICT375HF	94V0 150℃	CHANG CHUN PLASTICS CO LTD	E59481
3	WIRE	2UEW	155℃	WU HU COPPER CORWN ELECTRICIAN LTD	E326270
4	TAPE	JY312Y	130℃	SUZHOU MAILADUONA ELECTRIC MATERIAL CO LTD	E188295
5	TUBE	TFL	200℃	FLUO TECHINDUSTRIES CO LTD	E175982 (S)
6	TRIPLE WIRE	TIW-B	130℃	SHENZHEN HEDONG NEW MATERIAL CO LTD	VDE40038661
7	TIN	无铅107H	/	THOUSAND ISLAND METAL FOIL Co.,LTD.	N/A
8	VARNISH	1032CJJ	/	QUALIPOLY CHEMICAL CORP	E213437
制表 MADE		审核 CHECKED	批准 APPROVED		
ZhaoYinyin		RaoPing	ZhongCuilan		

注意事项 Matters needing attention

1、本公司产品适用于 AV 设备、OA 设备、家电、信息服务等一般电子设备中。

Our products are designed and promoted for use in general electronic devices such as audio-video equipment, office automation equipment, home appliance and information service.

2、当本公司的产品使用在一般电子设备以外的领域时，对于此所引发的设备失效我司将不承担任何法律责任。

In case of using the product for the purpose other than general electronics devices, we shall not be held liable for any dysfunctions in or damage to the equipment with which the product is used.

3、本承认书只保证我司产品作为一个单体时的质量情况，当我司产品被安装到贵司产品上时，请贵司对使用在贵司电路上的产品情况进行了有效评价和确认。

Our specification limits the quality of the component as a single unit. Please ensure the component is thoroughly evaluated in your application circuit.

4、不要对产品施加过大的振动或机械冲击；

Do not apply excessive vibration or mechanical shock to products.

5、为防止断线，请不要使用锋利的物体接触线圈，如镊子；

Do not touch wire with sharp objects such as tweezers to prevent wire breakage.

6、在产品贴装时不要使用过大的压力，避免磁芯断裂。

Do not apply excessive stress to products mounted on boards to prevent core breakage.

7、为保证端子电极的焊接特性和包装材料处于良好状态，请于本公司发货后 6 个月内使用本产品。同时，由于端子电极的焊接特性会随时间发生变化，如果贮存时间超过 6 个月，请首先确认其焊接特性后再安装使用。

To maintain the solderability of terminal electrodes and to keep the packing material in good condition, product should be used within 6 months from the time of delivery. And the solderability of products electrodes may decrease as time passes, so in case of storage over 6 months, solderability shall be checked before actual usage.

8、存放货物的仓库应满足以下条件 Store products in a warehouse in compliance with the following condition:

条件 Conditions	元件含包装物 Packing status	元件自身 Component itself
温度 Temperature	-25~+40℃	-25~+85℃
湿度 Humidity	30~70%RH	30~70%RH

9、不要使产品遭受温度和湿度的快速变化。

Do not subject products to rapid changes in temperature and humidity.

10、不要将产品存放在化学环境中，如硫酸气体或碱性气体中，否则会降低电极端子的焊接特性和使电感器腐蚀。

Do not store the products in chemical atmosphere such as one containing sulfurous acid gas or alkaline gas, that will causes poor solderability and corrosion of inductors.

11、为了避免受潮气、灰尘等物质的影响，产品应保管于货架上。

Store products on pallets to protect from humidity, dust, etc

12、产品应避免热冲击、振动以及直接光照等等。

Avoid heat shock, vibration, direct sunlight, etc.