# 产品承认书
# SPECIFICATION FOR APPROVAL

客户名称:
CUSTOMER

我司料号:
OUR PART NO. **XRPR2923-330KL**

我司品名:
OUR PART NAME High Current Power 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 | 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: XRPR2923 33uH ±10% 26A

检查結果: ☐ 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

DONGGUAN XIANGRU ELECTRONICS CO.,LTD

Tel：0769-86346548 Fax：0769-86346358

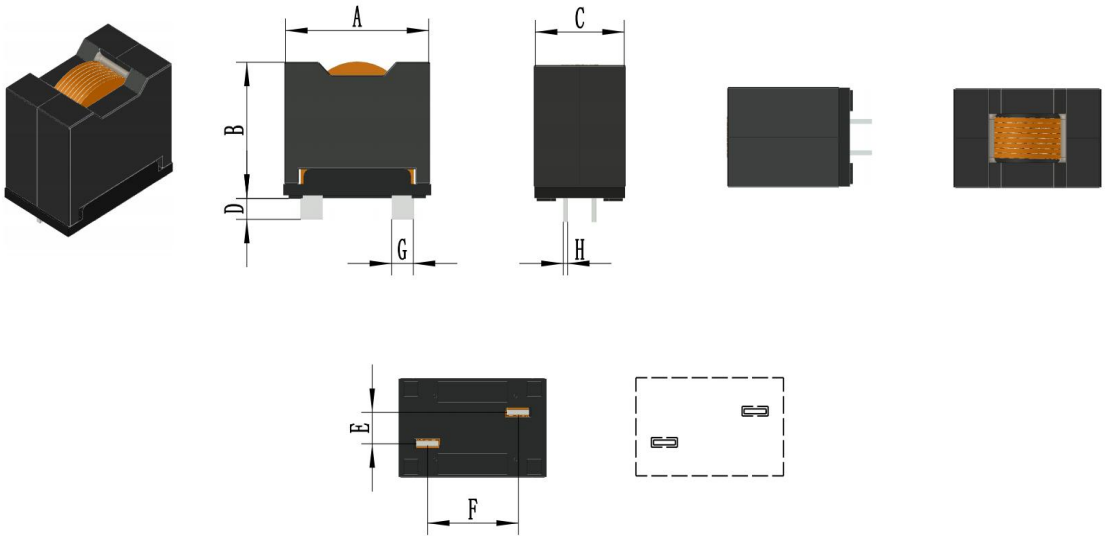
email：dgxiangru@126.com

# 产品承认书
# SPECIFICATION FOR APPROVAL

| | | | |
|---|---|---|---|
| 客户名称<br>CUSTOMER | | 日期<br>DATE | 2024/5/29 |
| 客户物料编号<br>CUSTOMER P/N | | 客户规格型号<br>DESCRIPTION | XRPR2923 33uH ±10% 26A |
| 我司物料编号<br>OUR PART NO | XRPR2923-330KL | 我司品名<br>OUR PART NAME | High Current Power Inductor |

1. 配置和尺寸CONFIGURATION&DIMENSIONS:

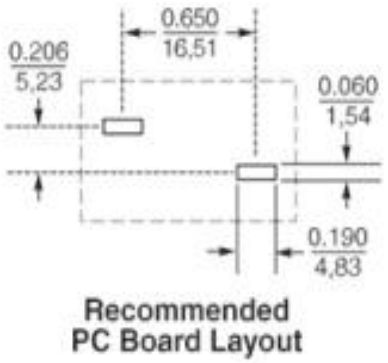
单位：MM




| A | B | C | D | E | F | G | H |
|---|---|---|---|---|---|---|---|
| 27.5 ±0.3 | 23.0±0.3 | 16.5±0.5 | 3.5±0.5 | 5.3±0.5 | 16.5±0.5 | 4.0±0.3 | 0.8±0.3 |

(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.

2.Reference land pattern (mm)



# 产品承认书
# SPECIFICATION FOR APPROVAL

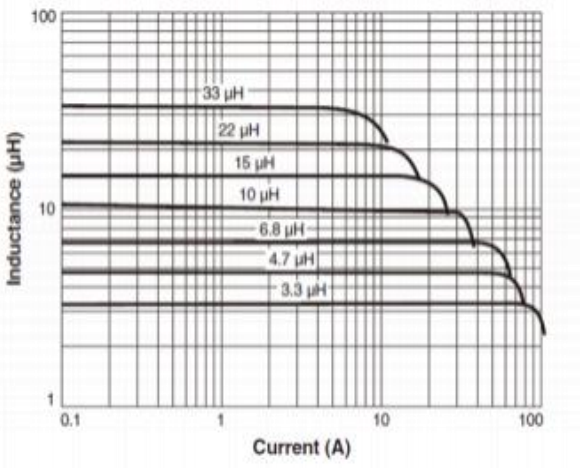
| 客户名称 CUSTOMER | | 日期 DATE | 2024/5/29 |
|---|---|---|---|
| 客户物料编号 CUSTOMER P/N | | 客户规格型号 DESCRIPTION | XRPR2923 33uH ±10% 26A |
| 我司物料编号 OUR PART NO | XRPR2923-330KL | 我司品名 OUR PART NAME | High Current Power Inductor |

## 3. 电性参数 Electrical parameters

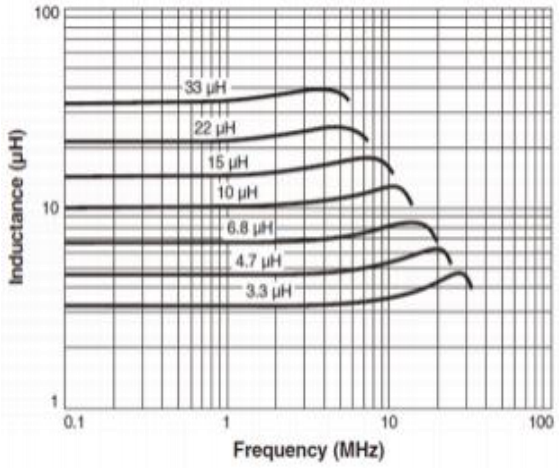
| Part Number | Inductance | DCR ( mOhms) 2 | | SRF typ | 饱和电流Isat (A)4 | | | 额定电流Irms ( A) | |
|---|---|---|---|---|---|---|---|---|---|
| | ±10% (uH) | nom | max | （MHz) | 10% drop | 20% drop | 30% drop | 20°C rise | 40°C rise |
| XRPR2923-330KL | 33 | 2.3 | 2.6 | 10.0 | 7.5 | 9.2 | 10.3 | 19 | 26 |

**4.饱和电流VS温升电流曲线Saturation current VS temperature rise current curve：**

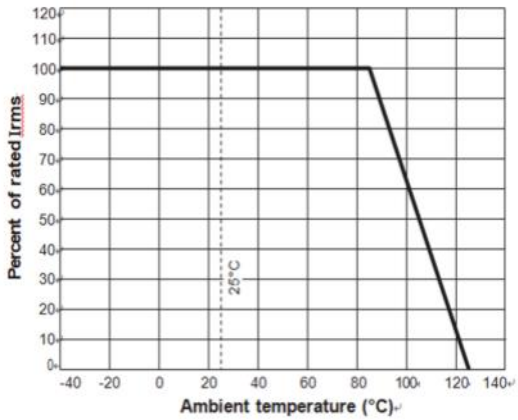
**LvsCurrent**




**LvsFrequency**




**Irms Derating**



# 产品承认书
# SPECIFICATION FOR APPROVAL

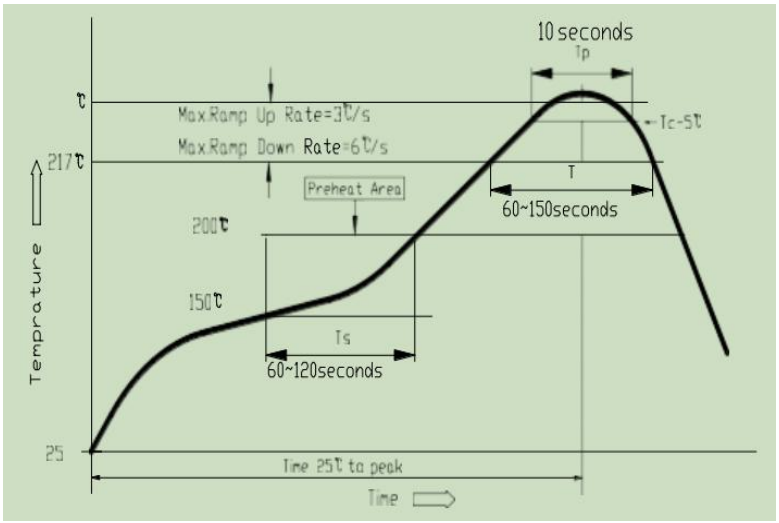
| | | | |
|---|---|---|---|
| 客户名称<br>CUSTOMER | | 日期<br>DATE | 2024/5/29 |
| 客户物料编号<br>CUSTOMER P/N | | 客户规格型号<br>DESCRIPTION | XRPR2923 33uH ±10%<br>26A |
| 我司物料编号<br>OUR PART NO | XRPR2923-330KL | 我司品名<br>OUR PART NAME | High Current Power Inductor |

## 5. SOLDERING CONDITIONS

**Applicable soldering process to the products is refl.**

**5.1 Soldering Materials：**
**(1) Solder:Sn-3.0Ag-0.5Cu.**
**(2) Flux:Use rosin-based flux,but not strongly acidic flux (with xhlorine exceeding 0.2wt%).Do not use water-soluble flux.**

**5.2 Reflow Soldering Profile.**




**5.3 Soldering Iron**

**Reworking with electric solding iron must preheating at 150℃ for 1 minute is required,and do not directly touch the core with the tip of the soldering iron.The reworking soldering conditions are as follows**
**①Temperature of soldering iron tip:350℃；**

**② Soldering iron power output:≤30W；**

**③ Diameter of soldering iron end:≤1.0mm；**

**④Soldering time:＜3 s**

# 产品承认书
# SPECIFICATION FOR APPROVAL

| | | | |
|---|---|---|---|
| 客户名称<br>CUSTOMER | | 日期<br>DATE | 2024/5/29 |
| 客户物料编号<br>CUSTOMER P/N | | 客户规格型号<br>DESCRIPTION | XRPR2923 33uH ±10%<br>26A |
| 我司物料编号<br>OUR PART NO | XRPR2923-330KL | 我司品名<br>OUR PART NAME | High Current Power Inductor |

## 6.特点Features：

1.设计用于饱和电流额定值超过100安培的大电流电源应用.
Designed for high current power supply applications with saturation current ratingS to over 100 Amps.

2.非常适合D类应用.
Ideal for use in Class-D applications

3.扁平线绕组提供极低的直流和交流电阻.低磁损耗、低ESR、小寄生电容.
Flat wire windings provide extremely low DC and AC resistance PCB washing Only pure water or alcohol recommended, low magnetic loss, low ESR, small parasitic

4.垂直安装占地面积小.
Vertical mounting provides a small footprint

5.装配设计，结构坚固。
Assemblage design, sturdy structure.

## □Core material Ferrite磁芯铁氧体材料：

1.符合RoHS标准的锡-银-铜终端。其他终端费用另计.
Terminations RoHS compliant tin-silver over copper.Other term in additional cost
2.环境温度-40° C至+85° C，Irms电流，+85° C至+125° C，降额电流.
Ambient temperature-40° C to +85° C with Irms current,+85° C to+125° C with derated current
3.储存温度组件:-40° C至+85° C。包装:-40° C至+80° C.
Storage temperature Component:-40° ℃ to +85° C.Packaging:-40° Cto +80° C
4.湿度敏感性水平(MSL)1(在<30° C/85%相对湿度下的无限地板寿命).
Moisture Sensitivity Level (MSL) 1 ( unlimited floor life at <30° C / 85 % relative humidity)
5.故障时间(FIT) /平均无故障时间(MTBF).
Failures in Time (FIT) / Mean Time Between Failures (MTBF)
6.38/10亿小时/26315789小时，根据Telcordia SR-332计算.
38 per billion hours / 2 6,315,789 hours,calculated per Telcordia SR-332
7.PCB清洗时，建议使用纯水或酒精.
PCB washing Only pure water or alcohol recommended

# 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
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.

# Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

## Xiangru:

XRCD43-151K XRSQ1515-15mH-V-810 XRCD32-4R7M XRCD43-220M XRRH74-331M XR6*8-2R2M-L XRCD53-470K XRSQ1010-5mH-H-78 XRSQ1212-10mH-H-1013 XRUU9.8-2mH-V XRUU9.8-45mH-V XRUU9.8-5mH-V XR0530-R33M XR0650-101M XR9*12-680K-L XR0518-2R2M XR6*10-101K-L XRT953B47-451MVSYL4 XRUU10.5-5mH-V XR0518-3R3M XR6826T221MVL7 XRT1065B77-651MHSYL4 XR8*10-601K-L XRCD75-102K XRNR3010-2.2uH/N XRUU9.8-60mH-H XR0410-681 XR050125T221MVL5 XR1265-6R8M XR10*16-122K-L