



产品承认书 SPECIFICATION FOR APPROVAL

客户名称:

CUSTOMER

我司料号:

OUR PART NO.

XR1360-4R7M

我司品名:

OUR PART NAME

Integrally Molded 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
HuangHexiang	RaoPing	ZhongCuilan

客户确认 CUSTOMER APPROVE

客户名称 CUSTOMER NAME:

客户料号 CUSTOMER P/N:

XR1360 4.7uH $\pm 20\%$ 24.2A

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.

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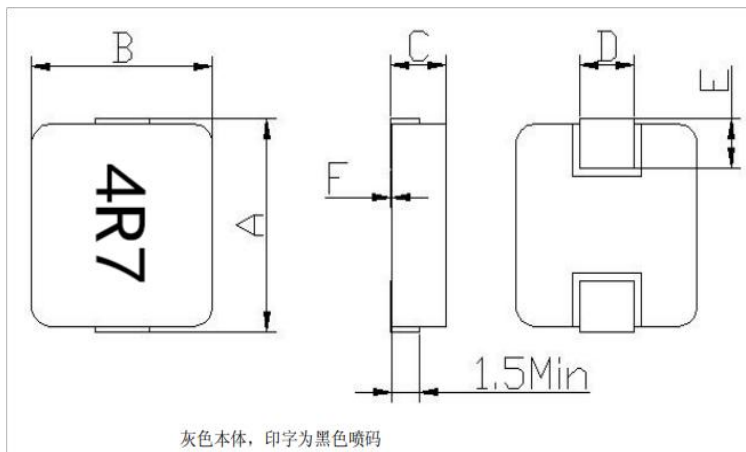
修订记录 Revision record

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产品承认书
SPECIFICATION FOR APPROVAL

客户名称 CUSTOMER		日期 DATE	2025/10/10
客户物料编号 CUSTOMER P/N		客户规格型号 DESCRIPTION	XR1360 4.7uH ±20% 24.2A
我司物料编号 OUR PART NO	XR1360-4R7M	我司品名 OUR PART NAME	Integrally Molded Inductor

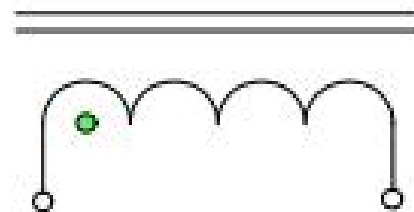
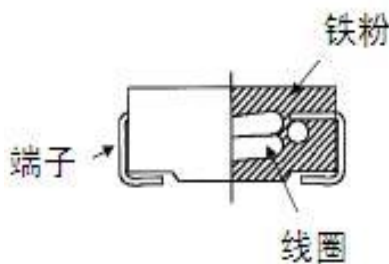
1、外形和尺寸
Shape and Dimensions:



Code Name	A	B	C	D	E	F
Dimensions (mm)	13.5±0.3	12.3±0.5	6.0MAX	4.0±0.3	2.5±0.5	0.15TYP

产品结构示意图 (Product Structure Diagram):

电路示意图 (Circuit Diagram):



2、电磁和机械特性 Electromagnetic and Mechanical Property:

项目 Project	数值 numerical value	测试条件 Test Conditions
电感 L_{0A}	4.7uH±20%	Instrument: Yihe 6377/502BC or equivalent instrument 100kHz/ 0.25Vrms; 25±5℃
电阻 R	8mΩ MAX	
叠加电感 Stacked Inductor	$L_{6A} / L_{0A} \geq 70\%$	Instrument: Yihe 6377-6220 or equivalent 100kHz/ 0.25Vrms; 25±5℃ 饱和电流(Isat): 24.2A MAX
温升电流 Temperature Rise Current	17.85A MAX	The surface temperature of the product increases by approximately $\Delta T=40^{\circ}\text{C}$.
层间短路测试 Interlayer Short Circuit Test	待测品波与对比品波形面积比较在 [-15%,+20%]以内。	仪器: 7703 层间短路测试机波形宽度观测档位: -4 电压: 250V 脉冲: 3.1 面积: +20%/-15% LAPLC: 10 MAX
使用温度	-55℃~+125℃	
储存温度	-10℃~+40℃	



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3、信赖性测试项目 Reliability Test Items:

3.1 耐久性 Durability

	项目Project	标注Annotation	测试条件Test Conditions
1	焊锡耐热性 Solder Heat Resistance	The exterior should show no visible damage. Fluctuations in inductance value and coil resistance should remain within $\pm 10\%$ of the initial value.	焊锡温度: $260 \pm 5^\circ\text{C}$ 时间: $10 \pm 1\text{s}$
2	可焊性试验 Solderability Test	Over 95% of the electrode terminals should be covered with new solder.	

3.2 环境测试 Environmental Testing:

	项目Project	标注Annotation	测试条件Test Conditions
1	机械振动测试 Mechanical Vibration Testing	The exterior should show no visible damage. Fluctuations in inductance value and coil resistance should remain within $\pm 10\%$ of the initial value.	频率: 10 to 80Hz 振幅: 1.5mm 方向: X,Y,Z 方向 时间: 每次 15 分钟
2	高温试验 High-Temperature Testing	Ibid	温度: $125 \pm 2^\circ\text{C}$ 时间: 96 hours
3	低温试验 Low-Temperature Testing	Ibid	温度: $-40 \pm 2^\circ\text{C}$ 时间: 96 hours
4	高温高湿试验 High Temperature and High Humidity Test	Ibid	温度: $70 \pm 2^\circ\text{C}$ 相对湿度: 90~95%RH 时间: 240 hours
5	冷热冲击试验 Thermal Shock Test	Ibid	温度: $-40 \pm 2^\circ\text{C}$ /循环 温度: $85 \pm 2^\circ\text{C}$ /循环 传递时间 <20s 停留时间: 15 分钟 循环次数: 32 次

4、包装Packaging:

1、包装材料

1.1 PS 卷轴 宽度 32MM, 蓝色

1.2 PE 袋: 装 32MM 卷轴, 低密度聚乙烯

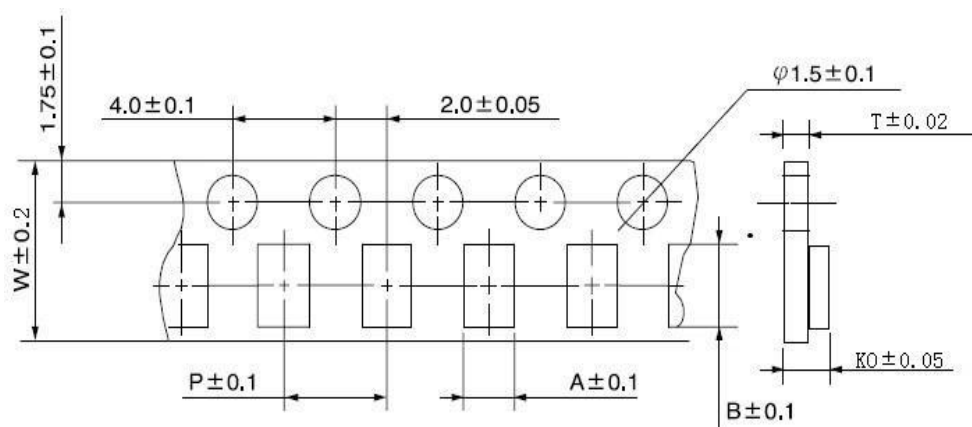
1.3 纸盒: 内盒单瓦楞纸板, 外箱长宽高: 365X365X185 (mm) TYP

1.4 卷带: PS 材质 每卷装 500pcs 产品;

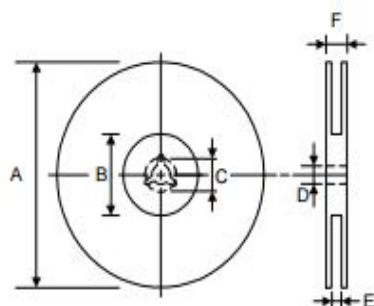
1.5 盖带 与卷带配套, 无色半透明

1.6 标签 纸胶带 手写品名-数量

卷带详细尺寸如下(mm):



A	13.5
B	14.2
K0	6.2
W	32
P	16
T	0.4

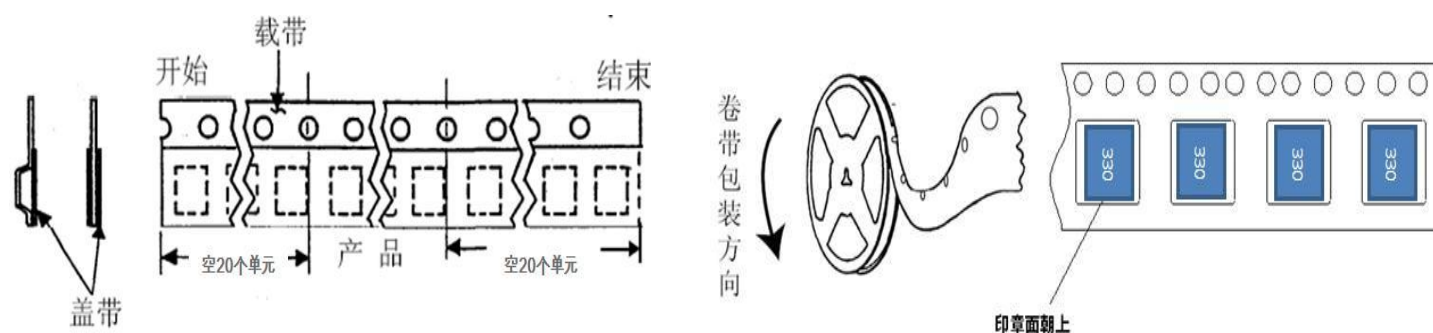


TYPE	A	B	C	D
32mm	330	100	21.0±0.8	13.0±1.0
E	F			
16.0±0.5	24.0±2.0			

2 包装标准Packaging Standards:

2.1 每个卷轴包装上 500pcs 的产品。每个卷轴开始包装前至少要包装 20 个空单元。产品包装结束后还要继续包装至少 20 个空单元。

2.2 每个内盒装两个卷轴, 每个外箱装三个内盒。



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5、验收规则 Inspection Rules:

1 产品的验收按 GB/T2828.1-2003 规定进行,其检查水平: 外观、尺寸, II, AQL=0.4; L0A, L30DC, S-4, AQL=0.15。

The inspection must be performed per GB/T2828.1-2003, with its examination level: Appearance and dimensions, II, AQL=0.4; L0A and L30DC, S-4, AQL: 0.15;

2 客户在接收到磁芯产品后一个月内须验收完毕,并将验收结果书面通知供货方,否则视为已验收合格。
Inspection will be completed and inspection result will be feedback to RZS in written within one month after cores are received from RZS or it will be considered approved by customer.

6、说明 NOTE:

1、在使用产品前用户应自行确定本产品是否适用于自身设计, 瑞之声仅保证产品符合产品规格书要求。
Before using these products, buyer agrees to determine suitability of the product for their intended use of application. RZS only ensure our products compliance to this specification.

2、本产品不得用于潮湿的环境, 如水或其它相当液体中, 因为在潮湿条件下, 绝缘强度会很低。
This product must not be used in wet condition by water or equal because insulation strength becomes very low on the cognition.

3、本承认书的数据更改需经双方确认, 任何一方单独修改无效。
Any revision to the specification Approval must be confirmed by both the supplier and the customer, otherwise the revision is invalid.

4、本承认书在客户收到 7 天之内, 必须签章返回, 逾期视为默认。
The specification Approval should be sent back to the supplier with customer's chop on it within 7 days after receiving it, or we will take it as approved by customer.

备注: 所有中英文对照以中文为准, 英文仅供参考。

附: 建议回流焊温度曲线: Recommended Reflow Soldering Profile:

