

领界电子有限公司

JIEYANG LINGJIE ELECTRONICS CO., LTD.



承 认 书

SPECIFICATION FOR APPROVAL

客户 Customer:	
产品名称Customer:	NR磁胶屏蔽电感
型号规格Customer:	NR3015-10UH
承认书日期 Date:	2025. 09. 10

CUSTOMER AUTHORIZED 客 户 承 认 签 章		
Approved By 批准	Checked By 审核	Admitde By 承认

SUPPLIER AUTHORIZED 供 方 承 认 签 章		
Approved By 批准	Checked By 审核	Prepared By 拟制
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请签字盖章后，回传一份承认书给我司。

Please return to us one copy of "SPECIFICAITON FOR APPROVAL" with your approved

signature.

履历表 Resume

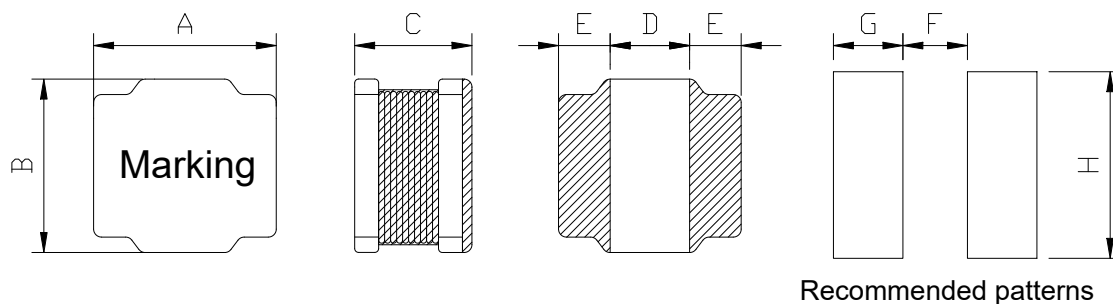
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规格书/SPECIFICATIONS

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1. SHAPES AND DIMENSIONS 外形尺寸 (Unit:mm)



型号 Part No.	A	B	C	D	E	F	G	H
NR3015	3.0±0.2	3.0±0.2	1.7Max	1.2±0.3	0.9±0.3	1.1	1.0	2.7

2. Features (特性) :

1. Small and very Thin inductor

小型, 超薄电感器

2. Magnetic-resin shielded construction reduces buzz noise to ultra-low

磁性胶水涂敷结构极大减少了蜂鸣声

3. Takes up less PCB real estate and save more power

省空间, 更省电

3. APPLICATIONS (用途)

1. LED Lighting LED 照明

2. Automotive systems 汽车产品

3. Notebooks, desktop computers, servers, graphic cards 笔记本电脑, 台式电脑, 服务器, 显卡



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4. 电气性能 Performance Specification

型号 Part No.	电感量 Inductance Lo(μ H) $\pm 20\%$	电阻 Rdc. (m Ω) Max	额定电流A (IDC)	饱和电流A (Isat)
NR3015-100M	10.0	250.0	0.72	0.77

Remark:

1. Inductance Tested at 100kHz, 1Vrms (20°C)

所有的测试数据在20°C的环境温度下进行.

2. Isat: DC current at which the inductance drops

电感:在该直流电流下, 电感值下降到零的点.

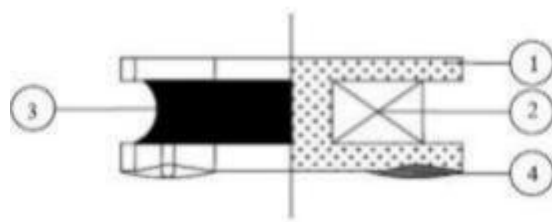
3. Irms: DC current that causes the temperature rise ($\Delta T = 40^{\circ}C$) from $25^{\circ}C$ ambient.

Irms:导致温度上升(AT)的直流电流.

4. Operating Temperature : $-25^{\circ}C \sim +125^{\circ}C$

工作温度: $-25^{\circ}C \sim +125^{\circ}C$.

5. Material List 材料清单



No.	PARTS	MATERIAL SPECIFICATIONS	UL FILE NO.	TEMP CLASS
1	CORE	N251H SDR-4.0-2.75-2.0-1.4S-P2 OR EQUIVALENT	NA	NA
2	WIRE	G1P180 OR EQUIVALENT	E258243	180°C
3	ADHESIVE	E-500AH (胶水) + FSC4 (合金粉) OR EQUIVALENT	NA	NA
4	SOLDER	Sn99.3%-Cu0.7% OR EQUIVALENT	NA	NA



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6.Storage conditions/Matters need attention 储存条件/注意的事项

(1). 贮存温度和工作温度:

Operating temperature rang and Storage temperature rang:-40 °C to +125 °C

(2) .额定电流: 指使电感量比初始值下降30%Max或电感器表面温度上升 $\leq 40^{\circ}\text{C}$ 的电流值, 以较小者为准 (参考 周围环境温度 25°C)

The rated DC current is that which cause at 30%Max inductance reduction from the initial value or inductor surface temperature to rise by $\leq 40^{\circ}\text{C}$, whichever is smaller (Reference ambient temperature 25°C)

(3) 产品在6个月内使用(注意:产品一经拆开包装,须尽快使用)

Products should be used within 6 months. (Note that the product should be used as soon as possible once it is folded)

(4). 包装材料应保存在空气中不存在氯或硫的地方

The packaging material should be kept where no chlorine or sulfur exists in the air

(5). 不要用手指触摸电极(焊接端子), 因为这可能导致焊接能力的下降

Do not touch the electrodes (soldering terminals) with fingers as this may lead to deterioration of solder ability.

(6) . 个别零件强烈建议使用镊子或真空取料机, 散装搬运应确保尽量减少磨损和机械冲击

The use of tweezers or vacuum pick-ups is strongly recommended for individual components. Bulk handling should ensure that abrasion and mechanical shock are minimized.



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7. 贮存方法 Storage Methods

7.1 存储期限 Storage Period

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.

7.2 存储条件 Storage Conditions

①存放货物的仓库应满足以下条件：

温度：-10 ~ +40℃

相对湿度：30~70%RH

Store products in a warehouse in compliance with the following condition:

Temperature: -10 to +40℃

Humidity: 30~70%RH

②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.

③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.

④不要以散包装的形式存放产品以防止电感器间的相互碰撞造成磁芯破裂或断线。

Do not store products in bulk packaging to prevent collision among inductors which causes core chipping and wire breakage.

⑤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.

⑥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.



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8. 说明 NOTE

8.1 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.

8.2 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.

8.3 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.

8.4 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.