



# 产品承认书 SPECIFICATION FOR APPROVAL

客户名称:

CUSTOMER

我司料号:

OUR PART NO.

XRRF1280-4R7M

我司品名:

OUR PART NAME

Smd Coupling 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    | LiZhengxiong |

## 客户确认 CUSTOMER APPROVE

客户名称 CUSTOMER NAME:

客户料号 CUSTOMER P/N:

规格型号 DESCRIPTION:

XRRF1280 4.7uH  $\pm 30\%$  16.5A

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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## 产品承认书

### SPECIFICATION FOR APPROVAL

|                        |               |                       |                           |
|------------------------|---------------|-----------------------|---------------------------|
| 客户名称<br>CUSTOMER       |               | 日期<br>DATE            | 2025/8/10                 |
| 客户物料编号<br>CUSTOMER P/N |               | 客户规格型号<br>DESCRIPTION | XRRF1280 4.7uH ±30% 16.5A |
| 我司物料编号<br>OUR PART NO  | XRRF1280-4R7M | 我司品名<br>OUR PART NAME | Smd Coupling Inductor     |

**Features:**

• Multiple applications: parallel, series, dual-inductor and transformer.

• Magnetically shielded, low radiation.

• Inductance range: 0.47 to 4000  $\mu$ H.

• Rated current up to 17.9 A.

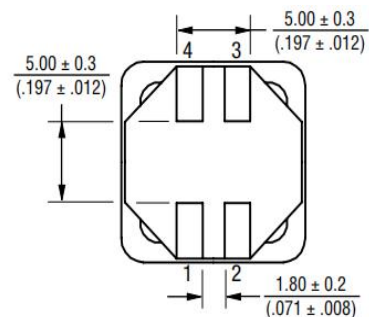
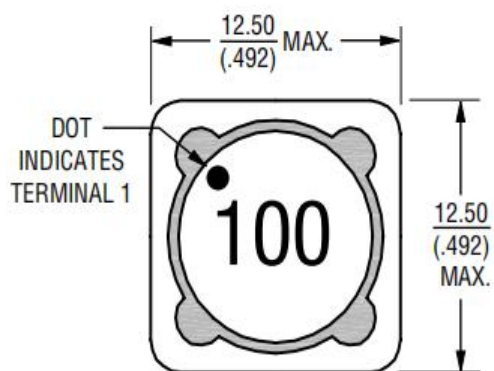
• RoHS compliant\*.


**Applications:**

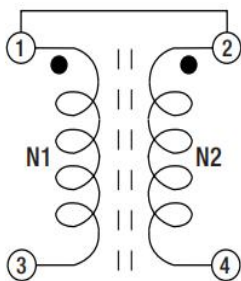
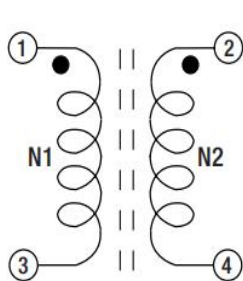
• SEPIC topology.

• Power supplies for:

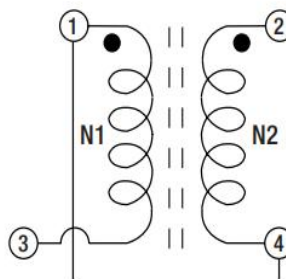
- Communication equipment.
- Notebooks, desktop computers, servers.
- LCDs, flat panels, backlights.
- Camcorders, HDTVs.

**Product Dimensions:**


DIMENSIONS:  $\frac{\text{MM}}{(\text{INCHES})}$

**Electrical Schematic:**


PARALLEL



SERIES

**General Specifications:**

- Test Voltage: 0.25V;
- Hi-pot: 500 Vrms, 3 mA, 3 sec;
- Operating Temperature: -40°C to +125°C (Temperature rise included);
- Storage Temperature: -40°C to +125°C;
- Moisture Sensitivity Level: 1级;
- ESD Classification (HBM): N/A;



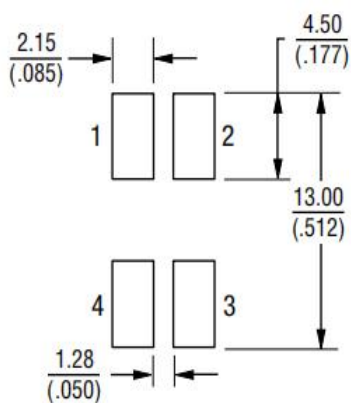
产品承认书  
SPECIFICATION FOR APPROVAL

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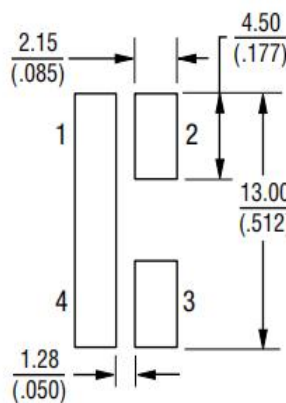
Electrical Specifications @ 25 °C;

| Parallel Rating |                                   |             |                 |             |             |  |
|-----------------|-----------------------------------|-------------|-----------------|-------------|-------------|--|
| PART NO.        | Inductance<br>@ 100 KHz<br>L (uH) | Tol.<br>(±) | DCR (Ω)<br>Max. | Irms<br>(A) | Isat<br>(A) |  |
| XRRF1280-4R7M   | 4.7                               | 30%         | 0.0135          | 8.25        | 16.5        |  |
| Series Rating   |                                   |             |                 |             |             |  |
| PART NO.        | Inductance<br>@ 100 KHz<br>L (uH) | Tol.<br>(±) | DCR (Ω)<br>Max. | Irms<br>(A) | Isat<br>(A) |  |
| XRRF1280-4R7M   | 18.8                              | 30%         | 0.0500          | 4.13        | 8.24        |  |

Recommended Layout:



DUAL INDUCTOR MODE



SERIES MODE

Materials材料:

Core ..... Ferrite  
Wire ..... Enameled copper  
Base ..... LCP  
Adhesive ..... Epoxy resin  
Terminal ..... Sn  
Rated Current ..... Inductance drops 30 % at Isat  
Temperature Rise ..... 40 °C at rated Irms  
Packaging ..... 400 pcs. per 13-inch reel