



产品承认书

SPECIFICATION FOR APPROVAL

客户名称:

CUSTOMER

我司料号:

OUR PART NO.

XRRF1280-470M

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 47uH ±20% 5.28A

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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产品承认书

SPECIFICATION FOR APPROVAL

客户名称 CUSTOMER		日期 DATE	2025/8/10
客户物料编号 CUSTOMER P/N		客户规格型号 DESCRIPTION	XRRF1280 47uH ±20% 5.28A
我司物料编号 OUR PART NO	XRRF1280-470M	我司品名 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 μ H.

• Rated current up to 17.9 A.

• RoHS compliant*.



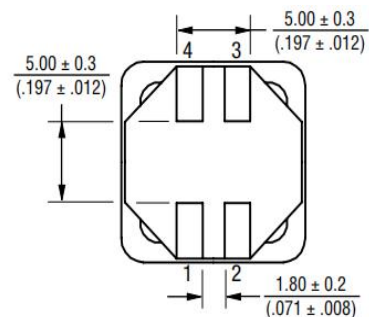
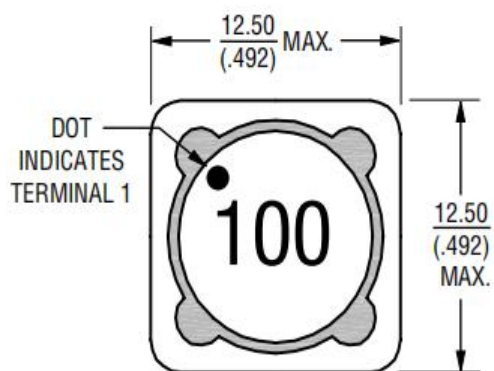
Applications:

• SEPIC topology.

• Power supplies for:

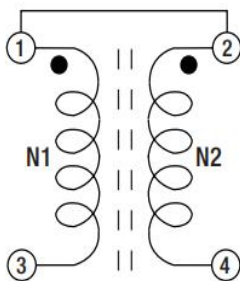
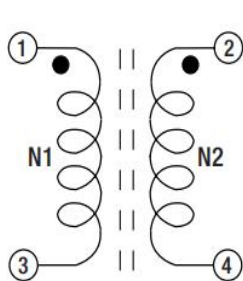
- Communication equipment.
- Notebooks, desktop computers, servers.
- LCDs, flat panels, backlights.
- Camcorders, HDTVs.

Product Dimensions:

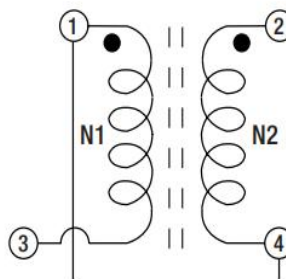


DIMENSIONS: $\frac{\text{MM}}{(\text{INCHES})}$

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;



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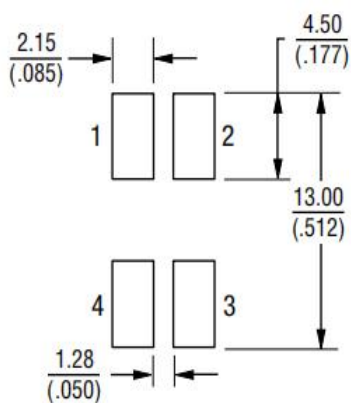
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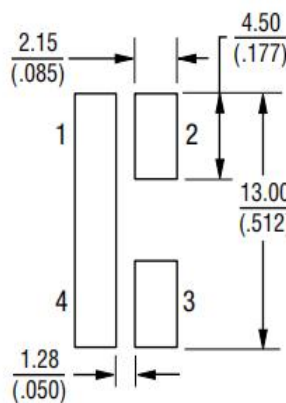
Electrical Specifications @ 25 °C;

Parallel Rating						
PART NO.	Inductance @ 100 KHz L (uH)	Tol. (±)	DCR (Ω) Max.	Irms (A)	Isat (A)	
XRRF1280-470M	47	20%	0.0898	2.95	5.28	
Series Rating						
PART NO.	Inductance @ 100 KHz L (uH)	Tol. (±)	DCR (Ω) Max.	Irms (A)	Isat (A)	
XRRF1280-470M	188	20%	0.353	1.470	2.64	

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