



产品承认书 SPECIFICATION FOR APPROVAL

客户名称:

CUSTOMER

我司料号:

OUR PART NO.

XRRF1280-680M

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 68uH $\pm 20\%$ 4.44A

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 CUSTOMER		日期 DATE	2025/8/10
客户物料编号 CUSTOMER P/N		客户规格型号 DESCRIPTION	XRRF1280 68uH ±20% 4.44A
我司物料编号 OUR PART NO	XRRF1280-680M	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*.



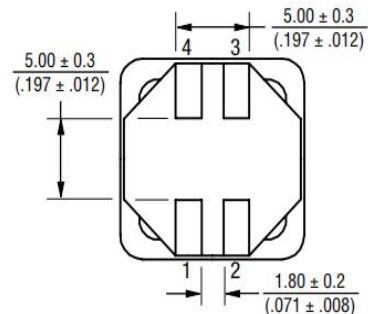
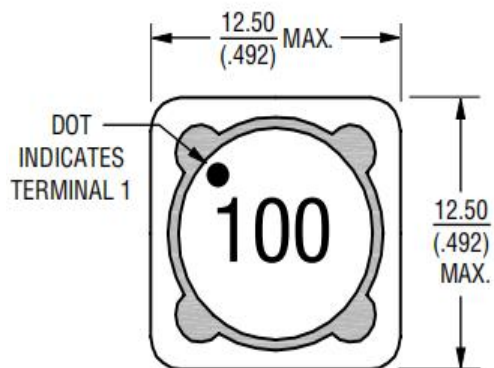
Applications:

• SEPIC topology.

• Power supplies for:

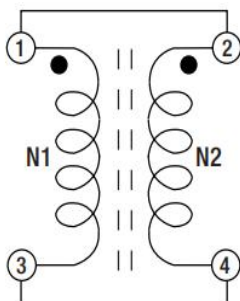
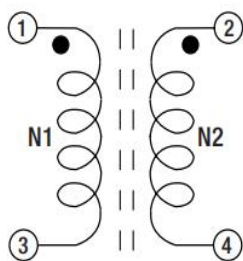
- Communication equipment.
- Notebooks, desktop computers, servers.
- LCDs, flat panels, backlights.
- Camcorders, HDTVs.

Product Dimensions:

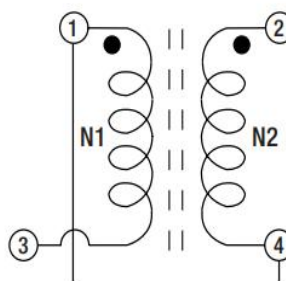


DIMENSIONS: $\frac{\text{MM}}{(\text{INCHES})}$

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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Electrical Specifications @ 25 °C;

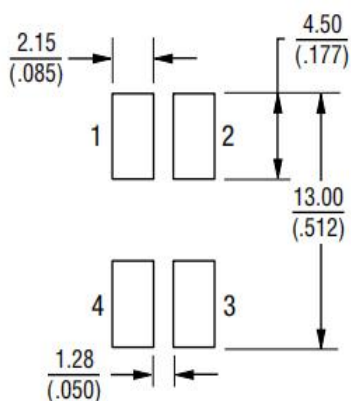
Parallel Rating

PART NO.	Inductance @ 100 KHz L (uH)	Tol. (±)	DCR (Ω) Max.	Irms (A)	Isat (A)	
XRRF1280-680M	68	20%	0.123	2.44	4.44	

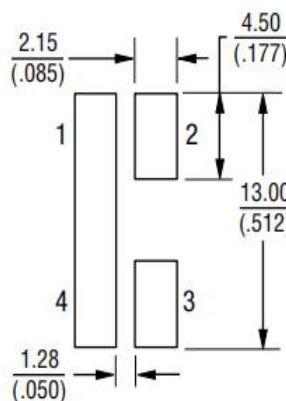
Series Rating

PART NO.	Inductance @ 100 KHz L (uH)	Tol. (±)	DCR (Ω) Max.	Irms (A)	Isat (A)	
XRRF1280-680M	272	20%	0.469	1.220	2.22	

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