



产品承认书

SPECIFICATION FOR APPROVAL

客户名称:

CUSTOMER

我司料号:

OUR PART NO.

XRALT453229M-121-T001

我司品名:

OUR PART NAME

Lan Transformer

送样日期:

DATE SAMPLES

数量:

QUANTITY

制造确认 MANUFACTURER APPROVE

拟制 DRAWN	审核 CHECKED	确认 APPROVED
HuFangting	RaoPin	Zhongcuilan

客户确认 CUSTOMER APPROVE

客户名称 CUSTOMER NAME:

客户料号 CUSTOMER P/N:

规格型号 DESCRIPTION:

XRALT453229M 120uH 1:1

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 acknowledgement, please put forward or mark it and send it to our company. This acknowledgement will take effect one week after it is provided if you do not receive an objection reply.

东莞市祥如电子有限公司

Dongguan xiangru electronics co., ltd

Tel: 0769-86346548 Fax: 0769-86346358

Email: dgxiangru@126.com

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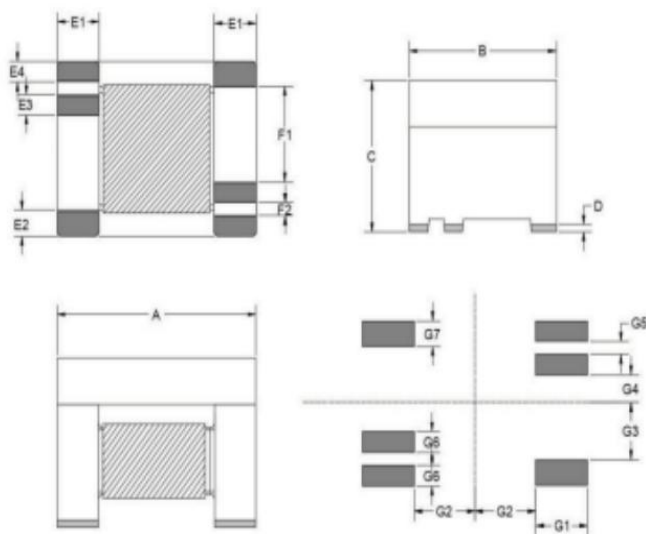
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客户名称 CUSTOMER		日期 DATE	2025/9/10
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1.Features (产品特性)

- 1.Compliant with ROHS requirements
- 2.Compliant with Halogen Free requirement
- 3.Compliant with IEEE 802.3an standard
- 4.Operating temperature -40℃ to +110℃
- 5.Support LAN interface for network equipment, communication equipment

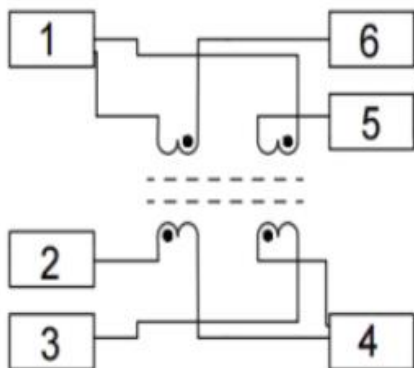
2.Dimensions (外形尺寸) mm:



Series	XRALT453229M
G1	1.2
G2	1.3
G3	1.1
G4	0.5
G5	0.25
G6	0.45
G7	0.55

Series	A	B	C	D	E1	E2	E3	E4	F1	F2
XRALT453229M	4.6±0.25	3.2±0.25	3.2±0.25	0.15	0.97	0.5	0.4	0.4	1.65	0.25

3.Schematic DiagramA





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4.ELECTRICAL SPECIFICATIONS @25°C

A&F Part Number	Turns Ratio ±5%	0CL 100K/0.1V8mA DC(uH Min) -25CT0+110℃	0CL.100K/0.1V8m A DC(uH Min) -40℃T0-25℃	CW/W:100K/0.1 V PFMax)	PoB Rating	Leakage Inductance 100k/0.1v(uH Max)	Hi-pot (Vrms 1mA 60S Min)
XRALT453229M-121-T001	1:1	120	110	35	NoN-PoB	0.5	1500

Insertion Loss (dB Typ.)			Rturn Loss(dB Typ.)				
Max			Min				
1-125Mhz	125-250Mhz	250-500Mhz	1-100Mhz	100-200Mhz	200-300Mhz	300-400Mhz	400-500Mhz
-0.9	-1.6	-2.0	-20	-17	-14	-13	-12



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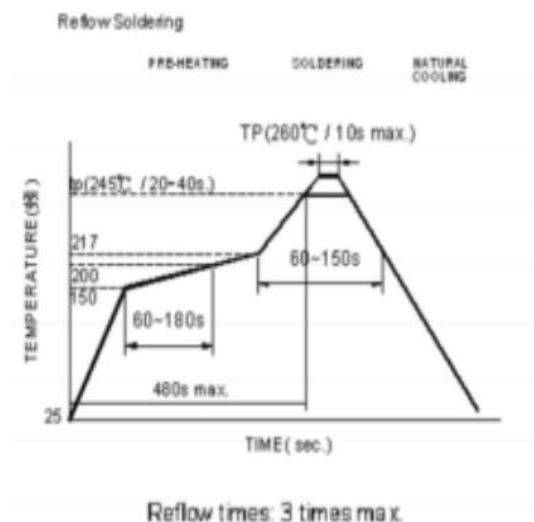
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Reliability test			
实验项目	实验条件	测试设备	实验结果
IR测试	1)Ta=260℃ Min 10sec, 230℃30~60sec 2)Test cycle:3 times	1, Test equipment:Hot reflow Machine 2,Test equipment:TH2829AX-24	Passed
冷热冲击	1)Ta- 40degree C~125degree C.30minuter/step. 2) Test cycle:168cycles.	1, Test equipment: Thermal Shock test. 2, Test equipment:TH2829AX-24	Passed
高温高湿	1)Ta=85C humidity:85%R.H 2) Test cycle: 168H	1, Test equipment:High Temperatur e&Humidity. 2,Test equipment:TH2829AX-24	Passed
高温存储	1)Ta=125℃ degree 2) Test cycle: 168H	1, Test equipment:Baking Oven 2, Test equipment:TH2829AX-24	Passed
低温存储	1)Ta-40℃ degree 2) Test cycle: 168H	1,Test equipment: Temperature Humidity Chamber 2, Test equipment:TH2829AX-24	Passed
跌落实验	1)height: 1.0M. Falling 6 surfaces respectively is acycle and falling10 cycles in total	1, Test equipment:TH2829AX-24	Passed
推力测试	1) apply a force (3216>9.8N&2012>5N)to the side of a device 2)This force shall be applied for 60+1seconds	1,Test equipment: MT2101	Passed
震动实验	1).Amplitude:0.75mm(Sine wave) 2).Frequence:10~55~10Hz 3).Direction: X,Y,Z 4).Duration: 2 Hours Each Direction	1, Test equipment:Vibration Machine 2, Test equipment:TH2829AX-24	Passed
可焊性	1).Soldering temperature 245 ℃, soldering time 3 seconds 2).soldering once, confirm whether the solder joints are full and smooth	1, Test equipment:Hot reflow Machine	Passed
试验前测试	1).Reference specifications	1, Test equipment:TH2829AX-24	Passed

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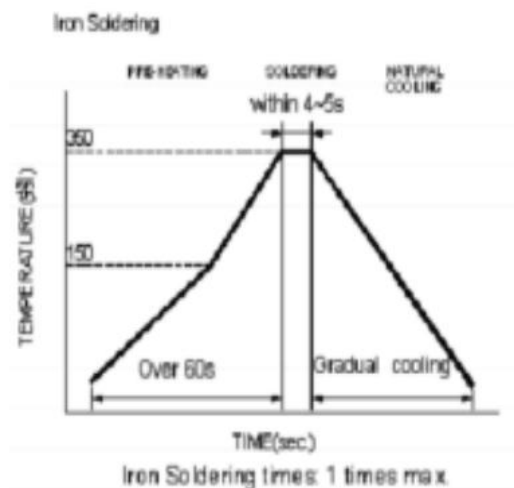
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RECOMMEND REFLOW SOLDERING CURVE:

1. Lead Free Solder re-flow



2. Soldering Iron



Maintenance of heat gun (for your reference)

Power output 30W

Temperature: 350°C Max

Heat time: More than 5 seconds heating may cause short circuit of parts. And poor adhesive property of resin, meanwhile, the external force produced by heat gun could lead to separation between magnetic core and lid.

Iron Soldering Profile

Iron soldering power: 30W Max.

Preheat condition: 150°C/60sec.

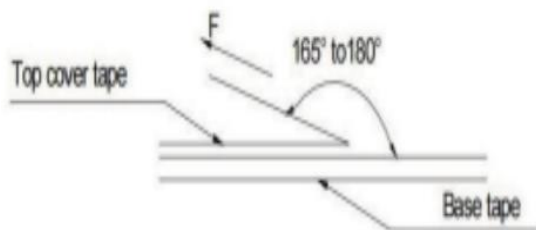
△Soldering tip temperature: 350°C Max.

△Soldering time: 3sec. Max.

Solder paste: Sn/3.0Ag/0.5Cu

Iron Soldering time: 1 time max

Tearing Off Force:



The force for tearing off cover tape is 15 to 80 grams in the arrow direction under the following conditions

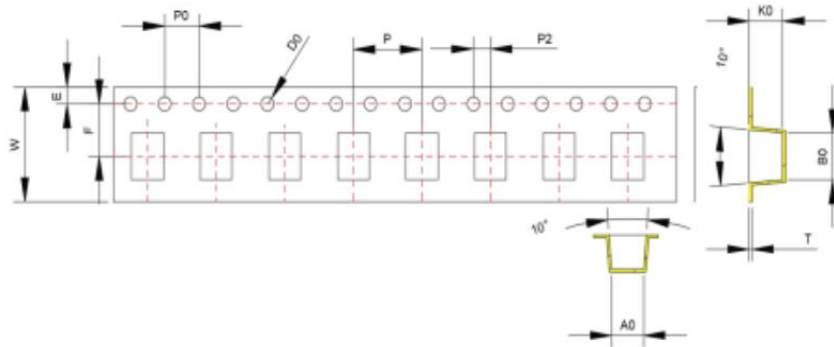
Room Temp. (°C)	Room Humidity (%)	Room atm(hPa)	Tearing Speed mm/min
5~35	45~85	860~1060	300

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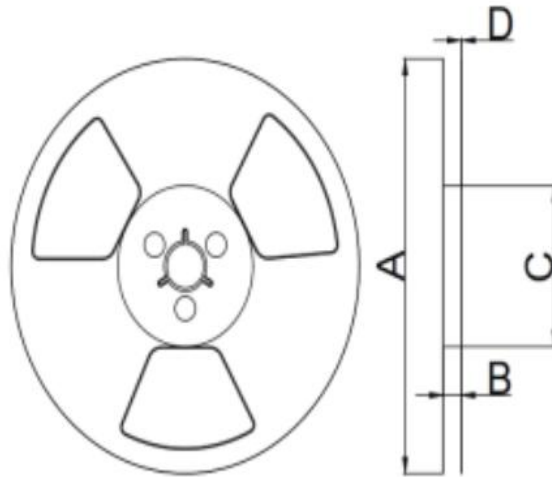
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.TAPE AND REEL SPECIFICATIONS(mm):



ITEM	W	A0	B0	K0	E	F	D0	P0	P	P2	T
DIM	12	3.7	4.88	3.6	1.75	5.5	1.5	4	8	2	0.3
TOLE	±0.3	±0.15	±0.15	±0.15	±0.1	±0.1	±0.1	±0.1	±0.1	±0.1	±0.05

Reel Dimension(mm):



Type	A	B	C	D
13*12mm	330±2	12.5±0.8	103±2	2.0±2