



規 格

SPECIFICATION

客 戶	CLIENT	:	LINPO
產品名稱	ITEM	:	Power Transformer
本公司型號	OUR MODEL NO.	:	TPN3514-001
客戶零件編號	CLIENT'S PART NO.	:	
客戶產品型號	CLIENT'S MODEL NO.	:	
鐵芯尺寸(長×寬×高)	CORE SIZE (L×W×H)	:	A 35×29.5×14mm
結構及測試標準	CONSTRUCTION & TEST STANDARD	:	EN61558-2-6

本公司工程部用

FOR OUR ENG. DEPT. ONLY

修改內容 REVISED CONTENT	認可及日期 APPROVED & DATE
擬定 Prepared: <i>[Signature]</i> 審核 Auditing: <i>[Signature]</i> 認可 Approved: <i>[Signature]</i>	

IMPORTANT NOTE

1. According to our ISO-9001 system, We cannot process your P.O before you approve this specification by signing, stamping and returning the "Declaration of approval" section of this page.
2. This document is property of Helms-Man Ind Co., Ltd and is prepared for the use of **LINPO**. Disclosure or distribution of part or whole of this document without the written permission of Helms-Man is strictly prohibited.

<p><u>Client's Declaration of Approval</u> The whole specification including this and the following pages have been carefully studied and accepted and approved by us with no query.</p> <p>page 2: Electrical Specification page 3: Mechanical drawing & Marking page 4&5: Construction Drawing & Materials List</p>	<p><u>Client's Declaration of Approval</u></p> <p>客戶認可蓋章簽名 Authorized Signature & Company Chop Name : Title : Date :</p>
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工程編號 E.R.N.: YG0035-00	樣辦單編號 Sample Form No.: A205-03-025
溫升報告編號 Burn-in Test Report: TT205-0207	短路報告編號 Abnormal Test Report: ST205-0225
市場部編號 M.R. N.: 05-03-VFHL-S-0065	審核日期 Checked Date: 31/5/2005

電 器 規 格 ELECTRICAL SPECIFICATION

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線 路 圖 號

CIRCUIT DIAGRAM CODE : A33B

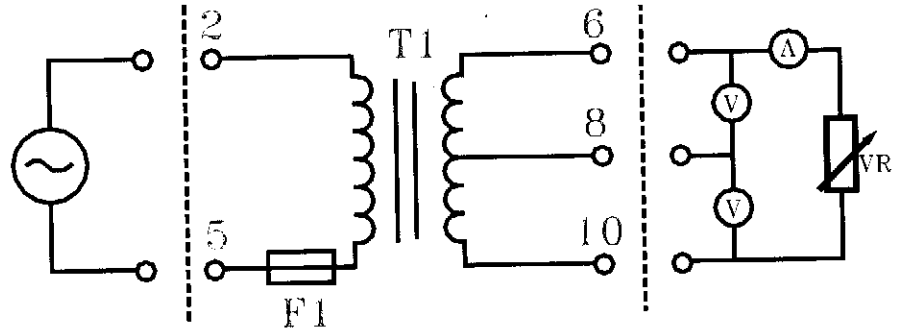
T1 : 變壓器/ Power Transformer

V : 電壓表/ Voltmeter

A : 電流表/ Ammeter

VR : 可變電阻/ Variable Resistor

F1 : 溫度保險絲/ Thermal Fuse 125°C



2-5 額定輸入

Rated Input : AC220 V, 50 Hz

初級空載電流(次級空載)

Pri. Exciting Current (Sec. Unload): $\leq 35\text{mA}$

6-8-10 次級空載電壓

Sec. Unload Voltage: (6-8)AC11.4V Max; (8-10)AC11.4V Max;

次級開始負載電壓、電流

Sec. Starting Onload Voltage & Current: (6-8)AC 9V \pm 5% AC 150mA
(8-10)AC 9V \pm 5% AC 150mA

絕 緣 系 統

Insulation System : Class B 級

安 全 測 試

SAFETY TEST :

1. 絕緣電阻測試/Insulation Resistance Test

初級對次級線圈間輸入 DC 500V 時,最少要有 100M ohm.

DC 500V applied between Pri. to Sec. winding with 100M ohm minimum.

2. 耐高壓測試/Hi-Pot Test

初級對次級線圈間須抵受 AC 4000V 1 秒鐘無絕緣體擊穿現象,漏電電流為 1mA

AC4000V applied between Pri. to Sec. winding 1 second without failure of insulation, leakage current 1 mA.

3. 正常溫升測試/Temperature Test at Normal Condition (客戶要求/Customer Request)

在室溫 25°C 下,產品在正常額定輸入 AC220V(+6%), 50Hz 及按額定輸出電流負載,線圈溫升不可大於 95°C.

The temperature rise of winding is 95°C maximum measured at rated input AC220V(+6%), 50Hz with secondary rated Current at ambient temp 25°C.

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機械圖號

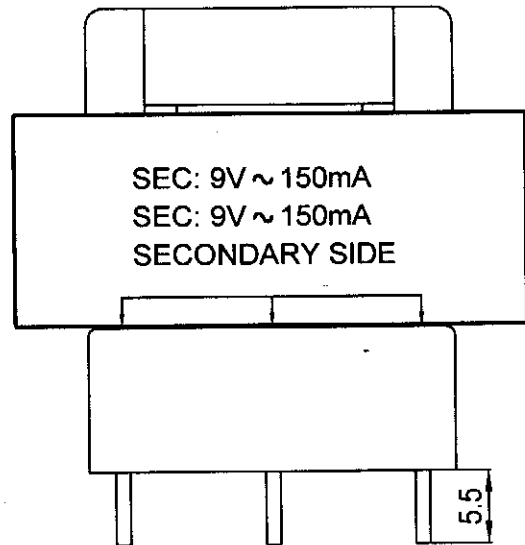
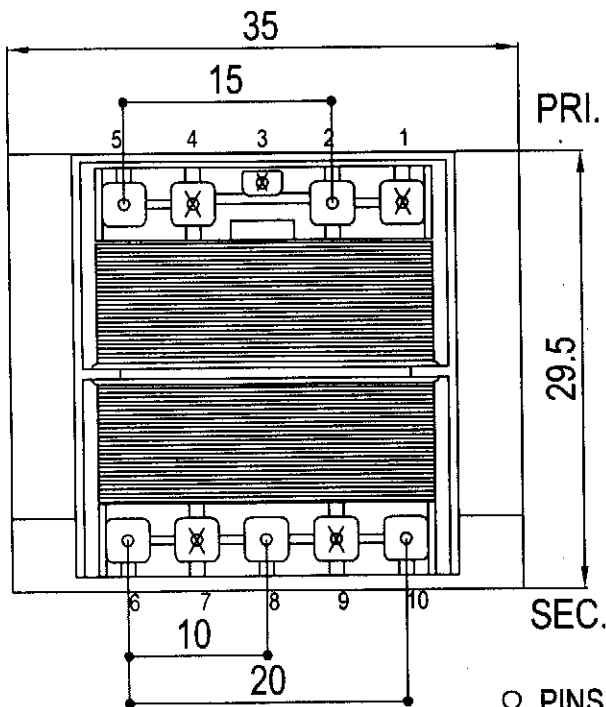
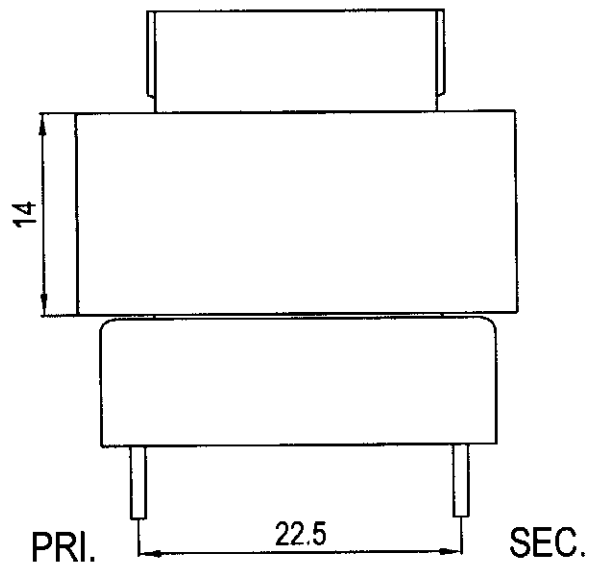
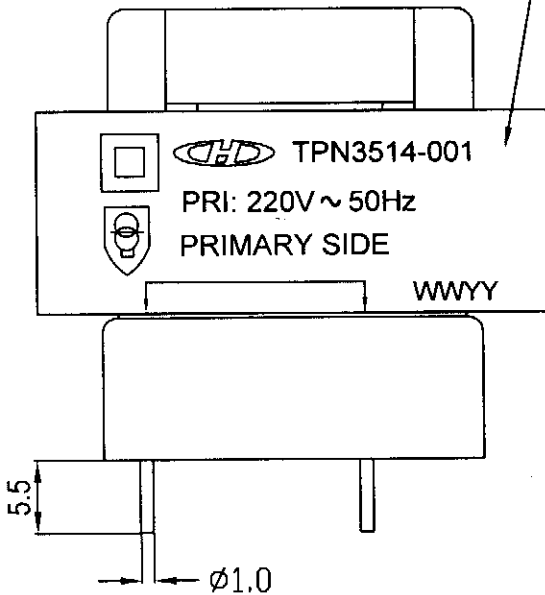
第三頁,共五頁

MECHANICAL CODE:

包2圈黃色膠紙

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2 Polyester Tape : Yellow Color



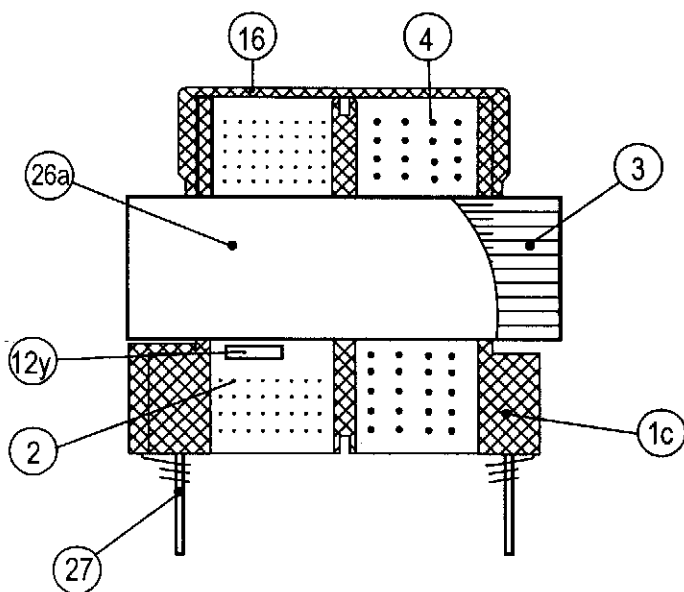
○ PINS
 ✕ NO PINS

嚙頭表達方法: 移印黑色字嚙
 Marking method: Pad printed marking with black colour.

包裝規格: 標準紙格包裝
 Packing Spec.: Standard packing with card tray

生產周期/ Date Code = WWYY
 WW-周/Week
 YY-年/Year
 例如: 5201=2001年第五十二周
 eg.: 5201=52nd week of 2001

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結構圖號

物料單

MATERIALS LIST

No. 編號	Description 概述	Material 材料	Manufacturers / Suppliers or Safety certificate No. 製造商 或 供應商 或 安全證書編號	RoHS test laboratory or RoHS declaration organization or RoHS 測試機構 或聲明機構	Hazardous Substance test report No. or suppliers declaration letter date 有害物質測試報告編 號 或 供應商聲明文 件日期
1c	初級線圈與鐵芯 間絕緣 Primary Winding to core	0.72mm 厚 PET 料膠芯一層, FR530 型號或同 等級材料 0.72mm thick PET Bobbin One Layer, Type FR530 or Equivalent	EI Du Pont De Nemours & Co., Inc. UL File: E69578(M) or Equivalent Suppliers	SGS, EI Du Pont	SZTYR030310777/LP ; 2083522/LD
2	初級線圈 Primary Winding	130°C 聚胺基甲酸乙脂漆包線 UEW 或同等級材 料 Polyurethane Enameled Copper Wire 130°C UEW or Equivalent	Xin Long Magnet Wire Co., Ltd. UL File E171082(S) or Da Yang industry co., Ltd UL File E176101 or Equivalent Suppliers	SGS SGS	GZSCR031110252/LP SZZK231367/LP
3	鐵芯 Laminated Core	矽鋼片 0.35 或 0.5mm 厚連潤滑油 Silicon Steel Lamination, 0.35mm or 0.5mm Thick with lubricant or Equivalen	Kawasaki (Wah Kong Silicon Steel Products co., Ltd.) or Kawasaki (Shenzhen Shumyip Steel Ltd.) or Kawasaki (Excellent Industrial (HK) Ltd.) or Equivalent Suppliers	ITS SGS SGS SGS	231033-05 SZTYR04047864/LP CE/2004/42692 CE/2004/42691 CE/2004/41509A CE/2004/41510
4	次級線圈 Secondary Winding	130°C 聚胺基甲酸乙脂漆包線 UEW 或同等級 材料 Polyurethane Enameled Copper Wire 130°C UEW or Equivalent	Xin Long Magnet Wire Co., Ltd. UL File E171082 (S) or Da Yang industry co., Ltd UL File E176101 or Equivalent Suppliers	SGS SGS	GZSCR031110252/LP SZZK231367/LP

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12y	初級過載保護 Primary Protector	單次溫度保險絲 L30 型號 125°C One Shot Thermal Fuse Type L30 125°C	精科 Joint Force Metal Research & Co. UL File: E142267(N)	SGS	GZSCR031004516/LP, 1004515/LP, 031107238/LP, 031107237/LP & no. 2069206/LD, 2069207/LD
		單次溫度保險絲 A3,A3-F 型號 115°C One Shot Thermal Fuse Type A3,A3-F 115°C	雅寶 Aupo Electronics Ltd. UL File:E140847	SGS	2000686/EC-2000689/EC, 2000690/EC- 2000697/EC, 2000701/EC- 2000704/ EC,
26a	鐵芯的絕緣 Core Insulation	0.05mm 厚 130°C 聚脂膠布二圈, 1P802 型號 或同等級材料, 130°C, 0.05mm Thick Polyester Tape 2 Turns, Type 1P802 or Equivalent.,	P. Leo & Co. Ltd. UL File: E126174 or Equivalent Suppliers	SGS	2059539/LD
27	針腳 Pins terminal	金屬 metal(CP Wire)	Shen Ming Electronics Cable Co., Ltd. (海欣興)		
52	焊錫 SOLDER	無鉛錫 Free LEAD Solder	Belinda Trading Limited	Belinda product information	SN100C
			Thousand Island Metal Foil Manufacturing Co.	SGS	SZTYR030100790/LP
			Aoki Laboratories Ltd.	SGS	2087958/LD
			Yik Shing Tat Industrial Co. Ltd. or equivalent Suppliers	SGS	SZTYR030206502/LP
53	絕緣漆 VARNISH	絕緣漆油 4087 型號 連天那水 Varnish Type 4087 with Thinner	Hing Shing Chemical Co., Ltd. 興盛化工 or Equivalent	SGS	SZTYR031137692/LD
		絕緣漆油 8562/C 型號 連天那水 Varnish Type 8562/C with Thinner	Hang Cheung Petrochemical Ltd. UL File:E200154 恆昌化工 or Equivalent Suppliers	Intertek	228478, 230416

備注:

本公司根據供應商提供的測試合格報告或聲明文件,証實此規格產品所有物料合符歐洲 RoHS 2002/95/EC 指令的標準, 即含鎘(cadmium)量不超 100ppm, 含鉛(Lead)、汞(mercury)、六價鉻(hexavalent chromium)、聚溴二苯醚(polybrominated diphenylethers / PBDEs) 和 聚溴聯苯(Polybrominated biphenyls / PBBs)量不超 1000ppm。如貴客戶自行安排將此規格產品另作同類測試,其結果本公司只作參考之用,亦不會支付有關的測試費用。如貴客戶認為有必要對此規格產品按 RoHS 指令再作測試,請與本公司協商處理。

Remarks:

As according to the Test Report or Declaration Letter provided by the suppliers, the material for our product listed in this specification is confirmed to comply RoHS Directives 2002/95/EC. i.e. the hazardous substance contents for the cadmium (Cd) do not exceed 100 ppm; the Lead (Pb), the mercury (Hg), the hexavalent chromium (Cr+6), polybrominated diphenylethers (PBDEs), Polybrominated biphenyls (PBBs) do not exceed 1000 ppm.

If customer voluntarily arranges this product to do in addition the similar test, its result we only makes using of the reference, also we will not responsible to pay the related test expense. Please consults the processing with us if customer want to make any extra test for this product as according to RoHS Directive.

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