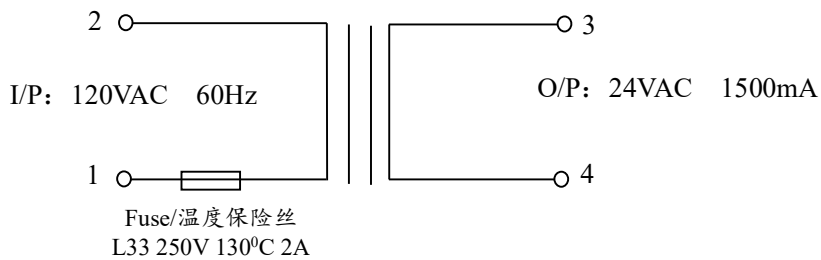


1.ELECTRICAL PERFORMANCE/电气特性:

1-1.Primary rated voltage and frequency: 120VAC 60Hz.

初级级额定电压及频率: 120VAC 60Hz.

1-2.ELECTRICAL CHARACTERISTICS/电气原理图:



1-3. Secondary rated voltage and current/次级额定电压及电流

TEST POINT /测试点	FULL LOAD RATED VOLTAGE /负载额定电压	RATED CURRENT /额定电流	VOLTAGE REGULATION /电压调整率	NO LOAD VOLTAGE /空载电压
3~4	24VAC±5%	1500mA		27.5VAC±5%

1-4.Primary exciting current(I₀): 115mA rms max,at input 120VAC 60Hz.

初级空载电流(I₀): 有效值最大 115mA 输入 120VAC 60Hz.

Loading(I_L): 575mA rms max.

初级负载电流(I_L): 有效值 575mA 最大.

1-5.D.C.Resistance: Primary: Ω±15%,measured at25℃.

初级直流电阻: Ω±15%,环境温度 25℃.

1-6.Empty loss max: 4.5watts max,at input 120VAC 60Hz.

最大空损: 4.5watts,输入 120VAC 60Hz.

1-7.Temperature rise: 85℃ max on primary coil by the resistance method,and 45℃ max on the surface of the case by the thermometer method at 25℃ ambient,rated load condition.

额定负载下电阻法线圈最大温升 85℃.热偶法外壳表面最大温升 45℃,环境温度 25℃.

1-8.Insulation resistance: 500VDC supplied,100M ohms minimum between winding & core.

绝缘电阻: 线圈与铁芯间加 500VDC,绝缘电阻不小于 100MΩ.

1-9.HI-pot test: 1750VAC 50Hz for 60seconds (leakage current 1mA) primary to secondary&core.

耐压强度测试: 初级-次级、初级-铁芯压 1750VAC 50Hz 60 秒 (漏电流 1 毫安) 无击穿、无拉弧.

1200VAC 50Hz for 60seconds (leakage current 1mA) secondary to core.

次级-铁芯 1200VAC 50Hz 60 秒 (漏电流 1 毫安) 无击穿、无拉弧.

1-10.Induce voltage: All secondary opened,primary should withstand 240V 360Hz for 60second without breakdown.

倍频倍压测试: 所有次级开路,初级需承受电压 240V 360Hz 60 秒而无击穿.

1-11.Life test: In an ambient temperature of 25℃ ,90-95% R.H.,applying a power source of 120VAC 60 Hz to primary, with full load1500 mA for 24 hours continuously,unit output normally and meet the requirements of item 1-8、1-9.

老化测试:环境温度 25℃,相对湿度 90-95%,输入电压 120VAC 60 Hz 时,带额定负载 1500mA 连续工作 24 小时,产品输出正常且满足 1-8、1-9 项特性要求.

1-12.Humidity test: In an ambient temperature of $25\pm 2^{\circ}\text{C}$ and 90-95% R.H..for 48 hours after 10 minutes out of the oven,the unit should meet item 1-9 requirements,and insulation Resistance shall be 10M ohms minimum.

耐湿测试: 在环境温度 $25\pm 2^{\circ}\text{C}$,相对湿度 90-95%条件下放置 48 小时,取出 10 分钟后,产品需满足第 1-9 项要求,且绝缘电阻不小于 10MΩ

2.MECHANICAL CHARACTERISTICS/机械特性:

2-1. Drop test: Dropped freely from 3 feet height onto a concrete floor covered with 1/8 inch vinyl tile 3 times from 3 different surface,the unit should meet the item 1-9

落地测试:从 3 英尺高自由落下到表面铺有 1/8 英寸厚聚乙稀垫的水泥地板上,三个不同面各一次,产品需符合 1-9 项特性要求.

2-2.Strain relief test: At normal position, 10 lbs to output cord for 60 secods each,there shall be no breakage displacement.

S/R 吊重试验: 在正常位置,输出线需吊重 10 英磅,持续 60 秒钟不可断裂.S/R 不可有移位现象.

2-3.Bending test: The plug and S/R should withstand weight of 200 gram,swinging from left to right at an angle of 120 degree for 1500 cycles,and 40cycles per minute. The cord shall be conductible.

摇摆测试: 输出线吊重 200 克,摆动角度 120 度,每分钟 40 来回,1500 个来回后仍需导通.

3.SAFETY STANDARD/安规标准:

◇ Meet/符合

◆ Approved/认可

◆ UL/CUL

◇ CSA

◇ TUV/CE

◇ BSI/CE

◇ T-MARK

CQC

◇ CCC

4.INSULATION SYSTEM/绝缘系统:

◇ CLASS A (105°C)

◇ CLASS E (120°C)

◆ CLASS B (130°C)

◇ CLASS F (155°C)

5. MECHANICAL REQUIRMENTS/外观要求:

5-1. Appearance: Damage and rusting are not permitted.

外观: 无损伤无锈迹

6.ENVIROMENTAL CONDITION/外部条件:

6-1.Operating temperature range: -10°C --- $+40^{\circ}\text{C}$

正常工作温度: -10°C --- $+40^{\circ}\text{C}$

6-2.Storage temperature range: -20°C --- $+80^{\circ}\text{C}$

存贮温度: -20°C --- $+70^{\circ}\text{C}$

6-3.Operation humidity range: 30---85% R.H

正常工作湿度: 30---85% R.H

7.INSPECTION ON LINE/线上检测:

7-1. The test items for each produce/全检项目

◆ Primary exciting current/初级激磁电流

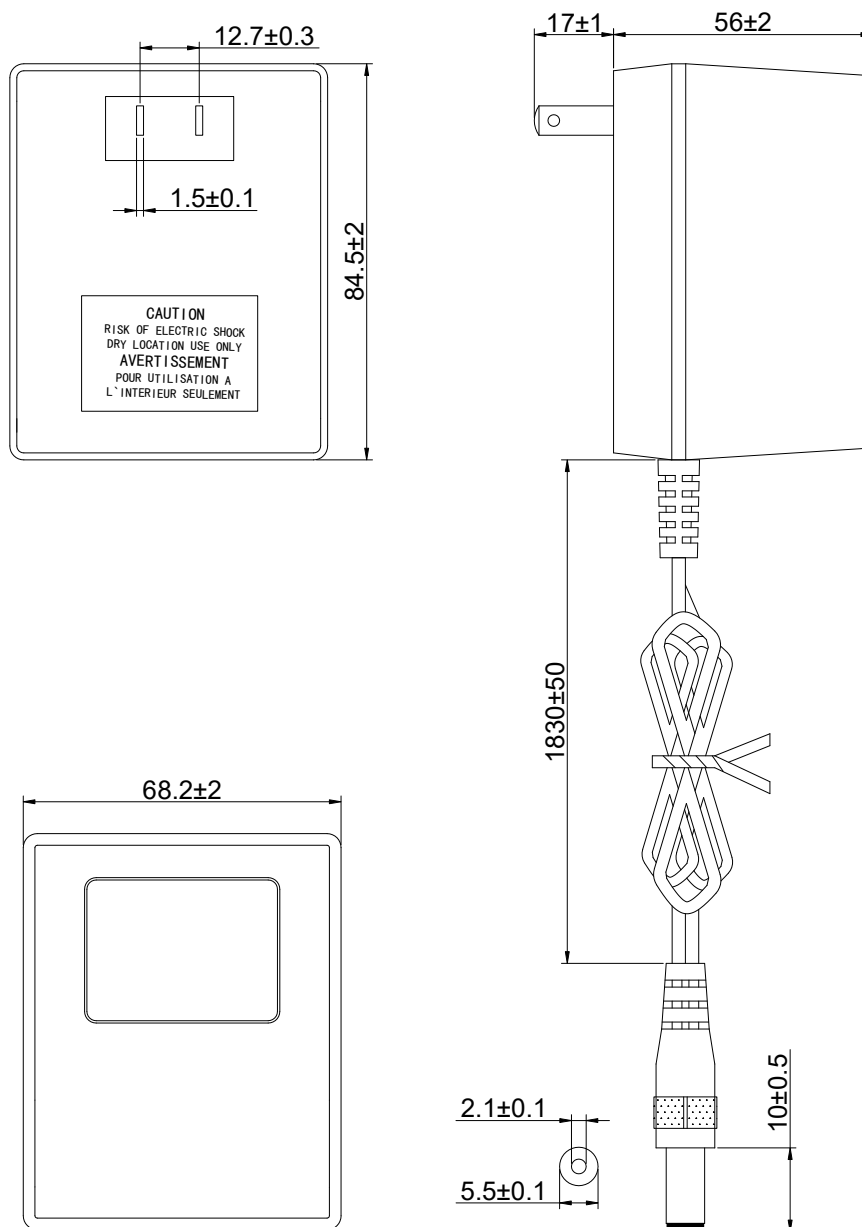
- ◆ Core loss/铁芯损耗
- ◆ Output voltage/输出电压
- ◆ Input current and power at rated load/输入电流及功率
- ◆ Foreign mass by shock/敲击听异物
- ◆ Polarity of output plug/输出极性
- ◆ Hi-pot test/耐压测试
- ◆ Apperance/外观检查

7-2. The test item for part of products/抽测项目：

- ◆ Hum operating at rated load/额定负载时哼声
- ◆ D.C.Resistance/直流电阻
- ◆ Insulation test/绝缘测试

8.NET WEIGHT/单体净重/g

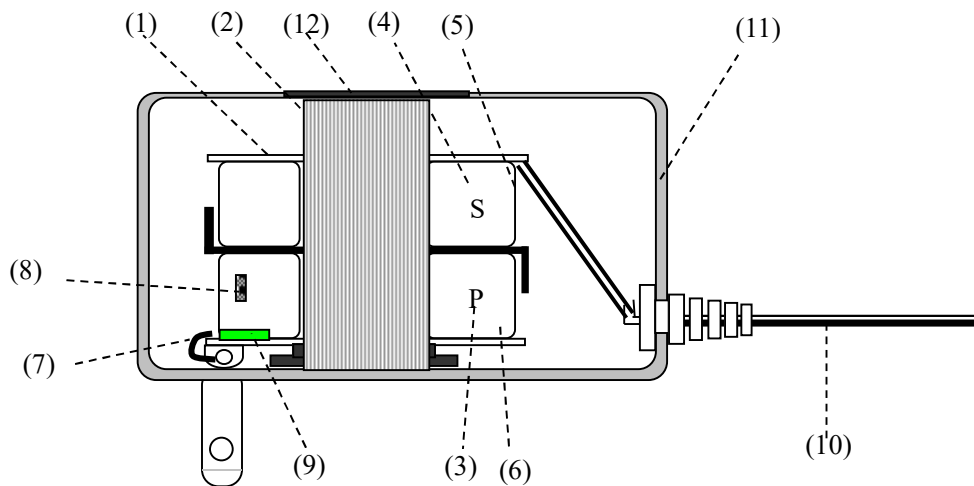
9.APPEARANCE DIMENSION/外观尺寸图：(UNIT/单位：mm)



OUTPUT CORD/输出线：UL2468#20AWG 线长 1.83m

PLUG/DC 插头： 5.5 ± 0.1 mm* 2.1 ± 0.1 * 10 ± 0.5 mm 直头

10.MATERIAL LIST /材料明细:



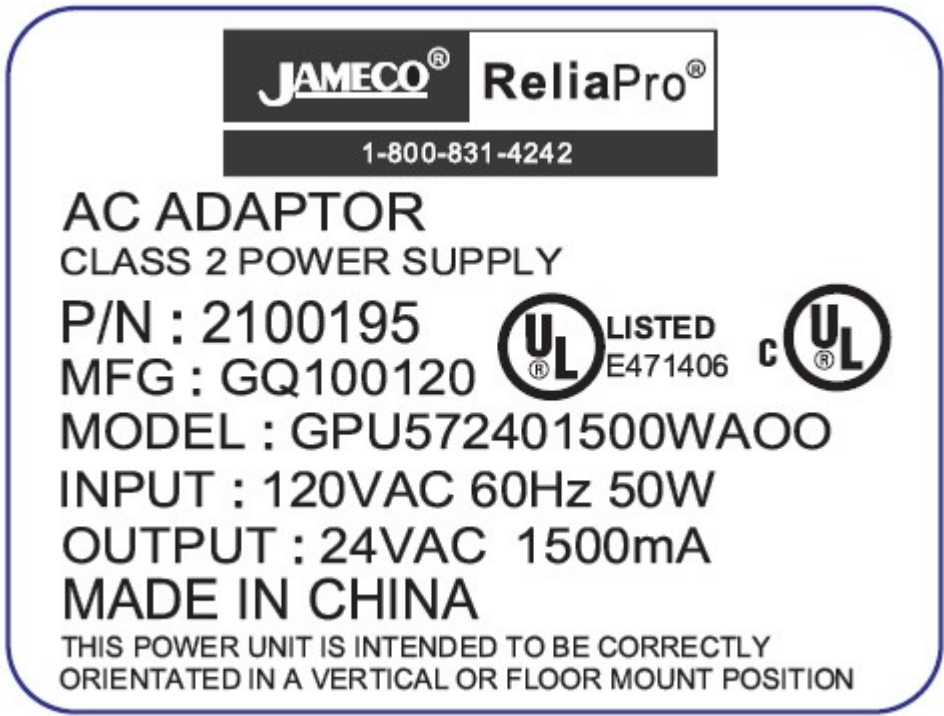
ITEM M 序号	PARTS NAME 材料名称	MATERIAL&SPEC 材质	Q'TY 数量	MANUFATURER 供应商
1.	BOBBIN 线架	Nylon CLASS B 尼龙	THICK0.71mm MIN	E I DUPONT DE NEMOURS&CO INC(E41938M)
2.	CORE 铁芯	E-I LAMINATED SILICON STEEL/E-I 硅钢片		BEST LEGEND HUI DINGS LTD
3.	PRI.WINDING 初级线圈	2UEW MAGNET WIRE CLASS B 2UEW 漆包线		PACIFIC ELECTRIC WIRE & CABLE CO., LTD
4.	SEC.WINDING 次级线圈	2UEW MAGNET WIRE CLASS B 2UEW 漆包线		JUNG SHING WIRE CO., LTD E201757/E174837
5.	SEC.OUTER INSULATION 次级绝缘	MYLAR TAPE 0.025mm 玛拉胶带 0.025mm		JING JIANG PRESSURE SENSITIVE CO.,LTD
6.	PRI.OUTER INSULATION 初级绝缘	MYLAR TAPE 0.025mm 玛拉胶带 0.025mm		E165111(N)
7.	LEAD WIRE/引线	UL1015# AWG22 红色		CHINA LONSID ELECTRONIC CO.,LTD E251728/E21382/E189474/E332522 E249743
8.	PROTECTION 保护器	THERMAL CUTOFF130℃ 2A 250V 温度保险 L33		JOINT FORCE METAL RESEARCH & CO JING JIANG ZING CHENG ELECTROTICS CO.,LTD E142267/R2134811/E140847
9.	Primary Crossover Insulation/ 初级直立绝缘	ACETATE CLOTH TAPE CLASS B/皱纹胶		DUCK SUNG TAPE CO.,LTD(E105147)
10.	OUTPUT CORD/输出 线	2468#20AWG 黑色 5.5*2.1		XIN LONG ELECTRONIC CO.,LTD. E332522 E157717E164535/E189674/E341894/E49420 5
11.	ENCLOSURE/外壳	57# UL 插黑色		WEI DA INDUSTRIAL CO.,LTD
12.	NAMEPLATE 铭牌	PVC(UL/CSA)OR ALUMINUM PVC(UL/CSA 认可)或铝质		YOUNG TONE PRINTING MFG MH27610
13.				
14.				
NOT E	Vannish/凡立水	VARNISH V-1630FS		VIKING ELECTRONIC CO., LTD E359418

11.SAMPLE TEST DATA/样品测试报告:

ITEM/项目			SPEC/范围	SAMPLE/样品编号					
				#1	#2	#3	#4	#5	#6
PRIMARY EXCITING CURRENT 初级空载电流(I0) I/P: 120VAC 60Hz			115mA MAX	59.6					
PRIMARY FULL LOAD CURRENT 初级负载电流(IL) I/P: 120VAC 60Hz			575mA MAX	489.2					
SECONDARY VOLTAGE 次级电压 NO LOAD/空载(VO)			27.5VAC±5%	27.48					
SECONDARY VOLTAGE 次级电压(VL) FULL LOAD/负载: AC 1500mA			24VAC±5%	23.91					
NO LOAD CORE LOSS 空载损耗(Po) I/P: 120VAC 60Hz			4.5W MAX	2.61					
Hi-pot test 耐压	PRI.TO SEC-CORE 初级-次级-铁芯	AC 1750V/1mA/50Hz/60Seconds 交流 1750V/1mA/50Hz/60 秒	OK	OK					
	SEC.TO CORE 次级-铁芯	AC 1200V/1mA/50Hz/60Seconds 交流 1200V/1mA/50Hz/60 秒	OK	OK					

12.NAMEPLATE DRAWING/铭牌图案：

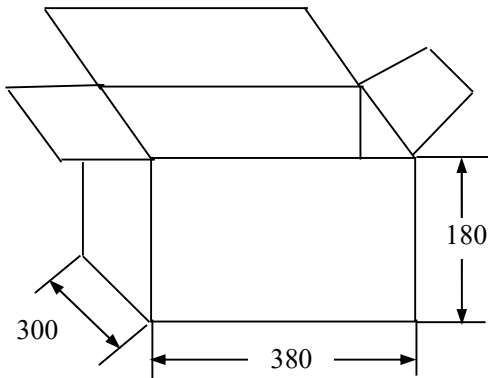
Unit: mm
单位：(mm)



NOTE:

- 1、材质 PVC 0.17mm THICK MIN
- 2、银底黑字
- 3、自粘型

13.PACKING/包装



(外箱尺寸)

L: 380mm W: 300mm H: 180mm

13-1： 外箱

- 1、依照图面尺寸制作，尺寸为外径尺寸，
- 2、材质：外箱使用 B=B 纸，
- 3、使用机种：EI-57。
- 4.白盒(120*70*80)
- 5.包装数量：24PCS/箱
每层 3 排 4 行， 每箱二层。