

SPECIFICATION FOR APPROVAL

CUSTOMER NAME:

DESCRIPTION :

AC ADAPTOR

MODEL NO. :

GPU410900500WDOO

DESIGNED NO.

GQ100808

I/P: 120VAC 60Hz
O/P: 9VDC 500mA

CUSTOMER PART NO.

REVISION.

A

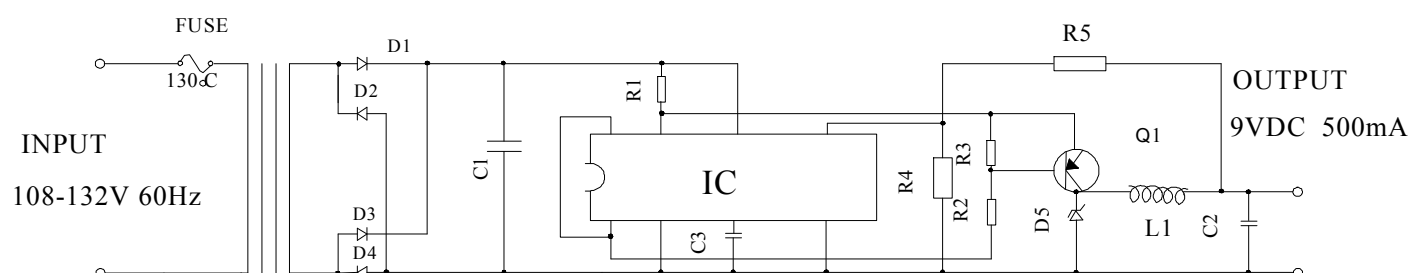
APPROVED BY(PLEASE SIGN)

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ENGINEERING CHANGE REQUEST

ORIGINAL			REVISION		
REV	DATE	DESCRIPTION	REVISION OF CAUSES/:		
DRAWER		CHECKED	APPROVED	CUSTOMER	
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1-2.ELECTRICAL CHARACTERISTICS:



1-3.Secondary rated voltage and current:

TEST POINT	FULL LOAD RATED VOLTAGE	RATED CURRENT	VOLTAGE REGULATION	NO LOAD VOLTAGE
5~6	9VDC±5%	500mA		9VDC±5%

500VAC 50Hz for 60Seconds (leakage current 1mA) secondary to core. Potential 20% higher may be applied for one second.

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1-10.Induce voltage: All secondary opened,primary should withstand 240 V360 Hz for 60 second without breakdown.

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 load 500 mA for 24 hours continuously,unit output normally and meet the requirements of item 1-8、 1-9.

1-12.Humidity test: In an ambient temperature of 25±2℃ 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.

2.MECHANICAL CHARACTERISTICS:

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

2-2.Strain relief test: At normal position, 20 lbs to output cord for 60 secods each,there shall be no breakage displacement.

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 1000 cycles,and 15-20cycles per minute. The cord shall be conductible.

3.SAFETY STANDARD:

◆ Meet

◇ Approved

◆UL/CUL

◇CSA

◇TUV/CE

◇BSI/CE

◇T-MARK

◇CQC

◇CCC

4.INSULATION SYSTEM:

◇CLASS A (105℃)

◇CLASS E (120℃)

◆CLASS B (130℃)

◇CLASS F (155℃)

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5. MECHANICAL REQUIRMENTS:

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

6. ENVIROMENTAL CONDITION:

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

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

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

7. INSPECTION ON LINE:

7-1. The test items for each produce/

- ◆ Primary exciting current
- ◆ Core loss
- ◆ Output voltage
- ◆ Input current and power at rated load
- ◆ Foreign mass by shock
- ◆ Polarity of output plug
- ◆ Hi-pot test
- ◆ Apperance

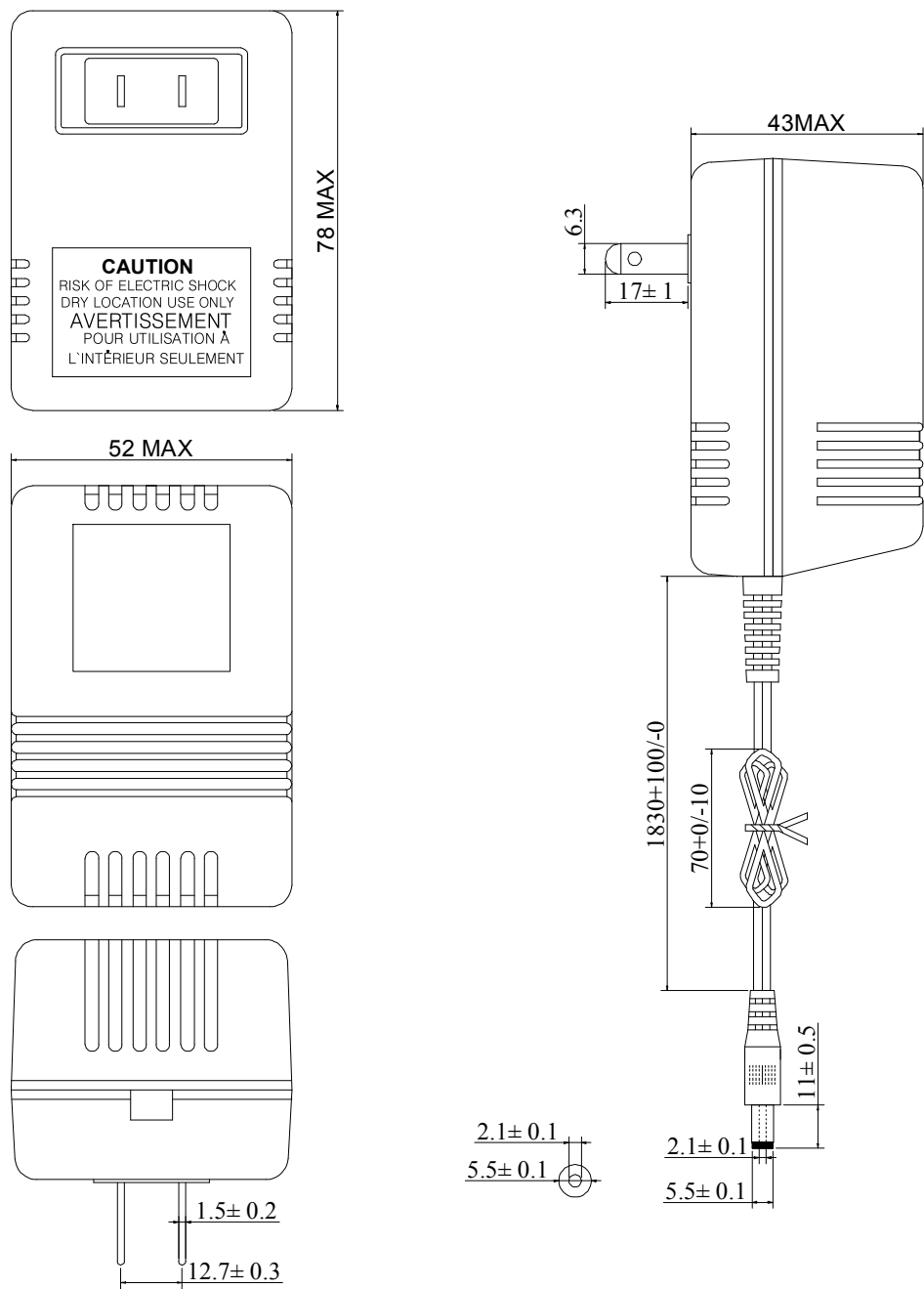
7-2. The test item for part of products:

- ◆ Hum operating at rated load
- ◆ D.C. Resistance
- ◆ Insulation test

8. NET WEIGHT

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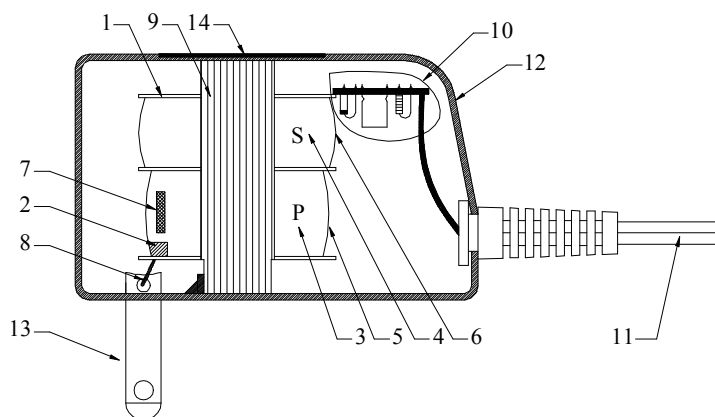
9.APPEARANCE DIMENSION: (UNIT: mm)



OUTPUT CORD: 2468# 24AWG 线长 1.83m
PLUG/DC: 5.5^{±0.1mm}*2.1^{±0.1 mm} *11^{±0.5mm} 直头
中心为: “+”极

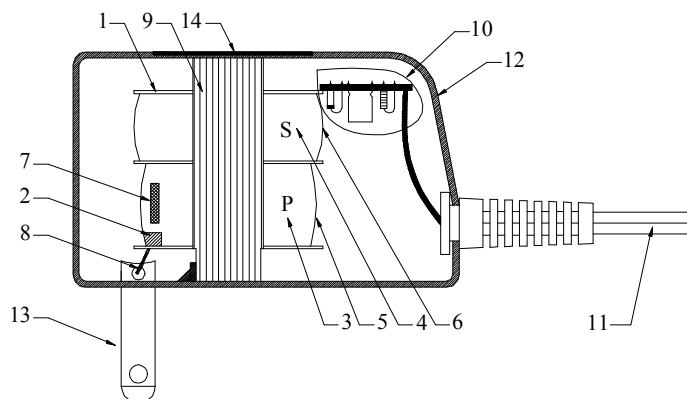
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10.MATERIAL LIST :



ITEM 序号	PARTS NAME	MATERIAL&SPEC	MANUFATURER		
1.	BOBBIN	PA66 THICK0.71mm MIN	E I DUPONT DE NEMOURS&CO INC.E41938		
2.	PRIMARY.CROSSOVER INSULATION	ACETATE CLOTH TAPE CLASS B	DUCK SUNG TAPE CO.,LTD(E105147)		
3.	PRI.WINDING	2UEW MAGNET WIRE CLASS B 2UEW	PACIFIC ELECTRIC WIRE & CABLE CO., LTDE201757 JUNG SHING WIRE CO., LTD.E174837 FENG CHING METAL CORP E172395		
4.	SEC.WINDING	2UEW MAGNET WIRE CLASS B 2UEW			
5.	PRI.OUTER INSULATION	MYLAR TAPE 0.025mm 0.025mm CLASS B	JINGJIANG YAHUA PRESSURE SENSITIVE GLUE CO LTD E165111 JING JIANG JINGYI ADHESIVE PRODUCT CO.,LTD.E246950 SUZHOU MAILADUONA ELECTRIC MATERIAL CO.,LTD.E188295		
6.	SEC.OUTER INSULATION	MYLAR TAPE 0.025mm 0.025mm CLASS B			
7.	PROTECTION	THERMAL CUTOFF 130℃ 250V	DONGGUAN WANCHENG FUSE CO LTD E232772		
8.	LEAD WIRE	UL1015# AWG22	DONGGUAN CHUANNAI WIRE MATERIAL CO.,LTD E241404 SHENZHEN DONG JU WIRE & CABLE CO.,LTD E189674 DONGGUAN CHANGAN HUAWEI WIRE CO LTD E320244		
9.	CORE	E-I LAMINATED SILICON STEEL E-I	BEST LEGEND HUI DINGS LTD		
10.	RECTIFIER BOARD	P.C.BOARD(94-V0) CLASS B /94-V0 1.60mm THICK	KINGBOARD LAMINATES (MACAO COMMERCIAL OFFSHORE)LTD(E123995)		
	IC	MC34063	DE HUI ELECTRONIC CO.,LTD.		
	CAPACITOR	ELECTROLYTI 1000uF 25V 1000uF 10V	SHENZHEN SAMSON ELECTRONICS TECHNOLOGY CO.,LTD JWCO ELEETRONICS CO.,LTD		
	CERAMIC CAPACITOR	102	DE HUI ELECTRONIC CO.,LTD.		
	DIODE	SILICON RECTIFIERS IN4001 1N5819	DICK (SHENZHEN) ELECTRONICS CO. , LTD.		
	RESIST OR CHIP RESIST	R1/0.22Ω 1W R2/470Ω 1/4W R3/68Ω 1/4W R4/470Ω 1/4W R5/3KΩ 1/4W	DE HUI ELECTRONIC CO.,LTD. LONG JIAN DA ELECTRONIC		
	TRANSISTOR	B772Y	DE HUI ELECTRONIC CO.,LTD.		
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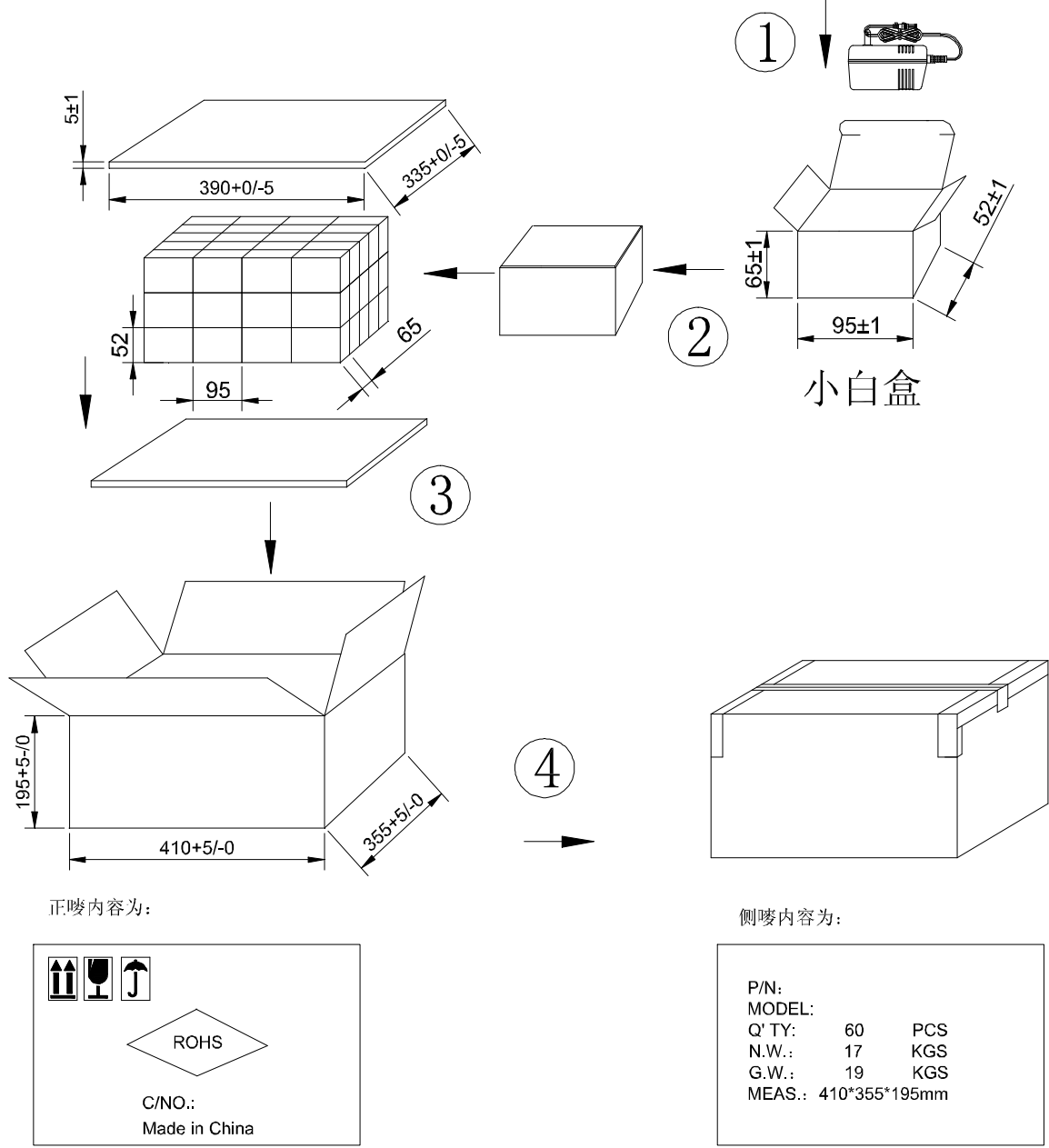
10.MATERIAL LIST :



ITEM	PARTS NAME	MATERIAL&SPEC	MANUFATURER
	INDUCTANCE	L=330Uh+100/-0 &HEAT-SHRINKBLE TUBE	HAIEN CO.,LTD OR EQUIVALENT
	散热片	1PCS	MENG WANG HARDWARE CO.,LTD.
	TAPPING SCREW	1PCS	DALANG WEIER METAL MANFACTORY XIN LONG ENTERPRISE CO.E207567/E148059
11.	OUTPUT CORD	2468#24AWG	DESAY WIRE CO.,LTD.E252840/E214500 GUANG QIAN WIRE CO.,LTD.E176095
12.	ENCLOSURE	41#UL SE-100	SABIC INNOVATIVE PLASTICS JAPAN LLC.E45587 DONGYUAN ELECTRONICD CO LTD SHENZHEN E302514
13.	BLADE	NICKEL PLATING COPPER	EVERPROUD.LTD
14.	NAMEPLATE	PET(UL/CSA)OR ALUMINUM	JING XING PRINTING FACTORY MH45133 SANLI PRINTING FACTORY.MH20917 GUANG MING YOU TONG PRINTING FACTORY.MH27610
NOTE	Varnish	V821A	QUALIPOLY CHEMICAL CORP.E213437
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11.SAMPLE TEST DATA:							
ITEM		SPEC	SAMPLE				
			#1	#2	#3	#4	#5
PRIMARY EXCITING CURRENT I/P: 120VAC 60Hz		70mA MAX	29				
PRIMARY FULL LOAD CURRENT I/P: 120VAC60Hz		170mA MAX	118				
SECONDARY VOLTAGE NO LOAD(VO)		9VDC±5%	9.02				
SECONDARY VOLTAGE FULL LOAD: DC 500mA		9VDC±5%	8.84				
Hi-pot test	PRI.TO SEC-CORE	AC1500V/1mA/50Hz/60Seconds	OK				
	SEC.TO CORE	AC 500V/1mA/50Hz/60 Seconds	OK				
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13.PACKING



- 备注:
- 1、依照图面尺寸制作
 - 2、材质: 外箱使用 A=B 纸; 隔板使用: C=C;
白盒材质: 350g
 - 3、使用机种: EI-41。
 - 4、长4个*宽5个*3层,总装=60PCS

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