

Distributed by:

**JAMECO**<sup>®</sup>  
ELECTRONICS

**www.Jameco.com ♦ 1-800-831-4242**

The content and copyrights of the attached  
material are the property of its owner.

Jameco Part Number 174861

# SPECIFICATION

CUSTOMER: JAMES

DATE: '05.06.09

MODEL NO: DFU240050

DESIGNED NO: D3030

## 1. APPLICABLE SAFETY STANDARD :

T-MARK   PSE   UL 1310   UL 1950   C-CUL   GS   CE   商檢  
SEMKO、DEMKO、FIMKO、NEMKO   OTHER : \_\_\_\_\_

## 2. GENERAL APPEARANCE :

- 2.1 THE GENERAL APPEARANCE OF THE AC/DC ADAPTOR SHALL BE WITHOUT DEFORMATION, CRACKS OR CORROSION.  
2.2 THE SHAPE, DIMENSIONS AND MARKINGS OF THE AC/DC ADAPTOR SHALL BE AS SPECIFIED IN THE CONSTRUCTION DRAWING AND NAME PLATE.

## 3. CHARACTERISTICS :

- 3.1 PRIMARY RATED VOLTAGE & LINE FREQUENCY : 120 VAC 60 Hz  
3.2 PRIMARY EXCITING CURRENT (Io) 90 mA MAX. AT INPUT 120 VAC 60 Hz.  
LOADING CURRENT (Ip) X mA MAX. AT INPUT X AC X Hz, LOAD X A.  
3.3 NO - LOAD LOSS : X W MAX. AT INPUT X VAC X Hz.  
3.4 SECONDARY RATED VOLTAGE AND CURRENT :

PRIMARY VOLTAGE	RATE VOLTAGE	TOLERANCE	RATED CURRENT	NO-LOAD VOLTAGE	REGULATION
108~132VAC 60Hz	24VDC	±5%	500mA-DC		

- 3.5 RIPPLE VOLTAGE : 30 mV(r.m.s) MAX. AT INPUT 120 VAC 60 Hz, LOAD 0.5 A.  
3.6 DC RESISTANCE : PRIMARY: 52 Ω ± 20 % MEASURED AT 25 °C .  
3.7 HI-POT TEST : AC 1240 V 50/60Hz FOR 1 MINUTES BETWEEN INPUT TO OUTPUT PLUG AND CASE NEED NORMAL PERFORMANCE , LEAKAGE CURRENT 1 mA.  
3.8 INSULATION RESISTANCE : 500 VDC 100 MΩ MIN. BETWEEN INPUT TO OUTPUT PLUG AND CASE.  
3.9 TEMPERATURE RISE : INPUT 120 VAC 60 Hz, OUTPUT LOAD 0.5 A FOR INPUT COIL 75 °C MAX (BY USE RESISTANCE METHOD) ON CASE SURFACE X °C MAX (BY USE THERMOMETER METHOD) AT 25°C AMBIENT.  
3.10 HUMIDITY TEST : TEMP. 40±2 °C, 90-95 % R.H FOR 4 HOURS , AFTER AT MINUTES TAKEN OUT FROM OVEN . AND WIPED DRY. TEST 3.4、3.7 AND INSULATION TEST 10 MΩ MIN.

## 4. MECHANICAL PERFORMANCE :

- 4.1 STRAIN-RELIEF TEST : 10 LB FOR 60 SEC. IN ANY DIRECTION .  
4.2 DROP TEST : UNIT IS TO BE DROPPED FROM 3 FEET HIGH ONTO A CONCRETE FLOOR COVERED WITH 1/8 INCH VINYL TILE 3 TIMES, THE UNIT SHOULD MEET THE ITEM 3.7、3.8.  
4.3 BENDING RELIEF TEST : THE CORD AND S/R SHALL WITHSTAND WEIGHT OFF 200 g, IT SWINGS FROM LEFT TO RIGHT AT AN ANGLE OF 120 deg , 300 CYCLE TIMES NIN.  
4.4 VIBRATION RESISTANCE : PRODUCT PACKAGED IN A INTENDED MANNER SHALL DEVELOP NO MECHANICAL OR ELECTRICAL FAILURE WHEN SUBJECTED TO A 1.5 mm PEAK TO PEAK AMPLITUDE , 10-50-10 Hz , VIBRATION IN EACH OF X , Y AND Z DIRECTIONS FOR 30 MINUTES .

## 5. TEMPERATURE RANGE:

- 5.1 USE TEMPERATURE EXTENT : 0 °C ~ +40 °C  
5.2 STORAGE TEMPERATURE EXTENT : -25 °C ~ +55 °C

APPROVED BY \_\_\_\_\_ CHECKED BY \_\_\_\_\_ TESTED BY 李淑華

# ELECTRICAL DATA

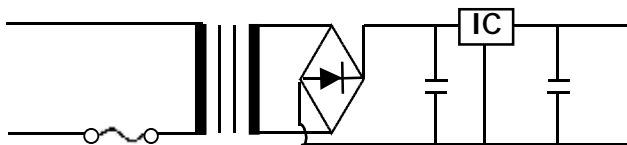
CUSTOMER: JAMES

DATE: '05.06.09

MODEL NO: DFU240050

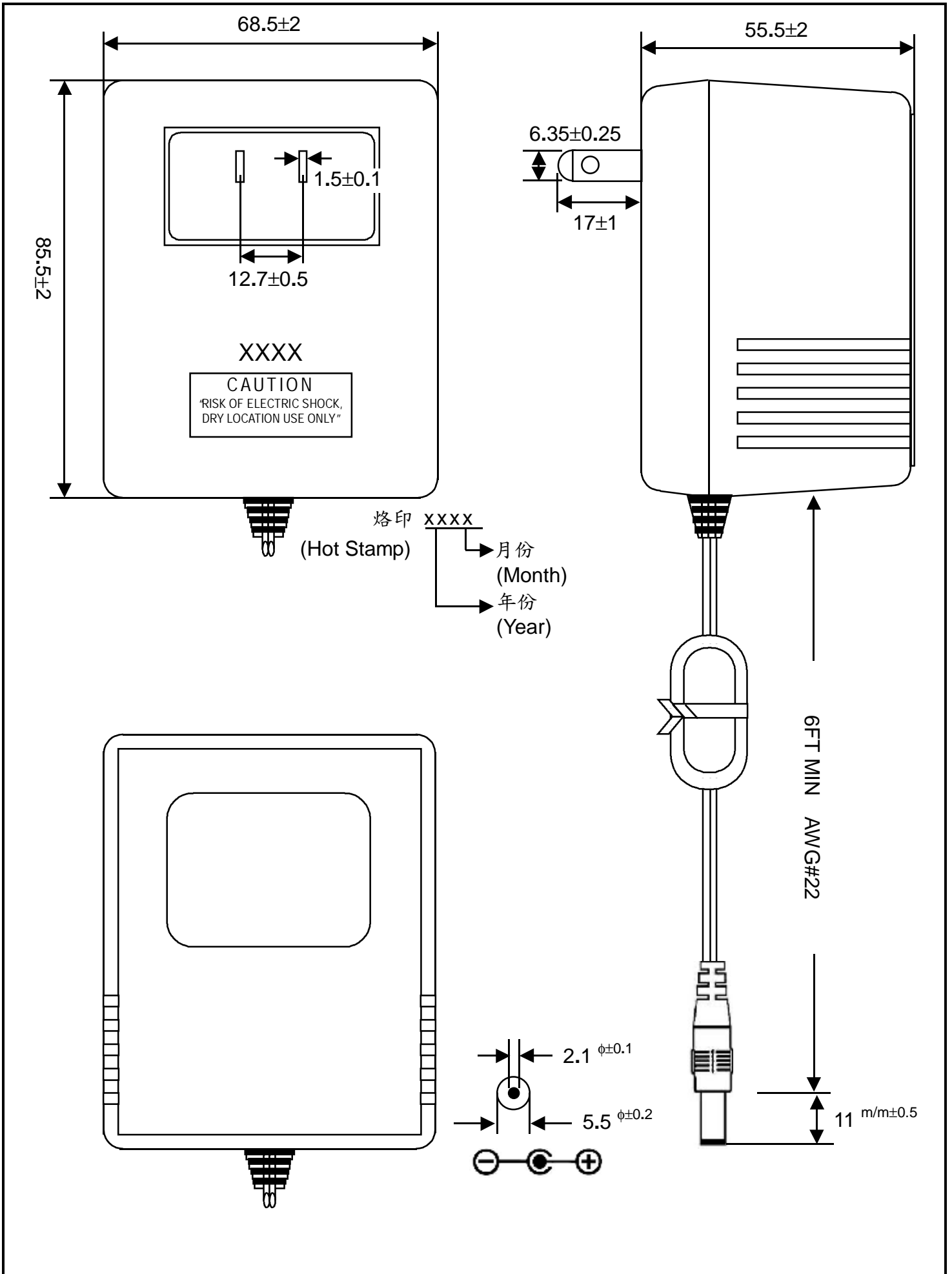
DESIGNED NO: D3030

ITEM	SPEC.	SAMPLE									
		1	2	3	4	5	6	7	8	9	10
PRIMARY EXCITING CURRENT INPUT 120 V-AC 60 Hz	90 mA MAX.	45									
PRIMARY LOAD CURRENT INPUT 120 V-AC 60 Hz	mA	204									
SECONDARY #1 NO LOAD DC VOLTAGE		23.87									
SECONDARY #1 DC VOLTAGE LOAD 500mA-DC	24V±5%	23.78									
PRIMARY LOAD CURRENT INPUT 108 V-AC 60 Hz	mA	197									
SECONDARY #1 NO LOAD DC VOLTAGE		23.88									
SECONDARY #1 DC VOLTAGE LOAD 500mA-DC	24V±5%	23.15									
INPUT 120VAC 60Hz LOAD 500mA RIPPLE VOLTAGE(r.m.s.)	30 mV MAX.	13									
PRIMARY LOAD CURRENT INPUT 132 V-AC 60 Hz	mA	210									
SECONDARY #1 NO LOAD DC VOLTAGE		23.87									
SECONDARY #1 DC VOLTAGE LOAD 500mA-DC	24V±5%	23.81									
TEMP RISE AFTER 4 HRS WARM UP IN 25 °C AMBIENT	75 °C MAX.	OK									
HI-POT TEST	PRI. TO SEC. & CORE AC 1240 V	OK									

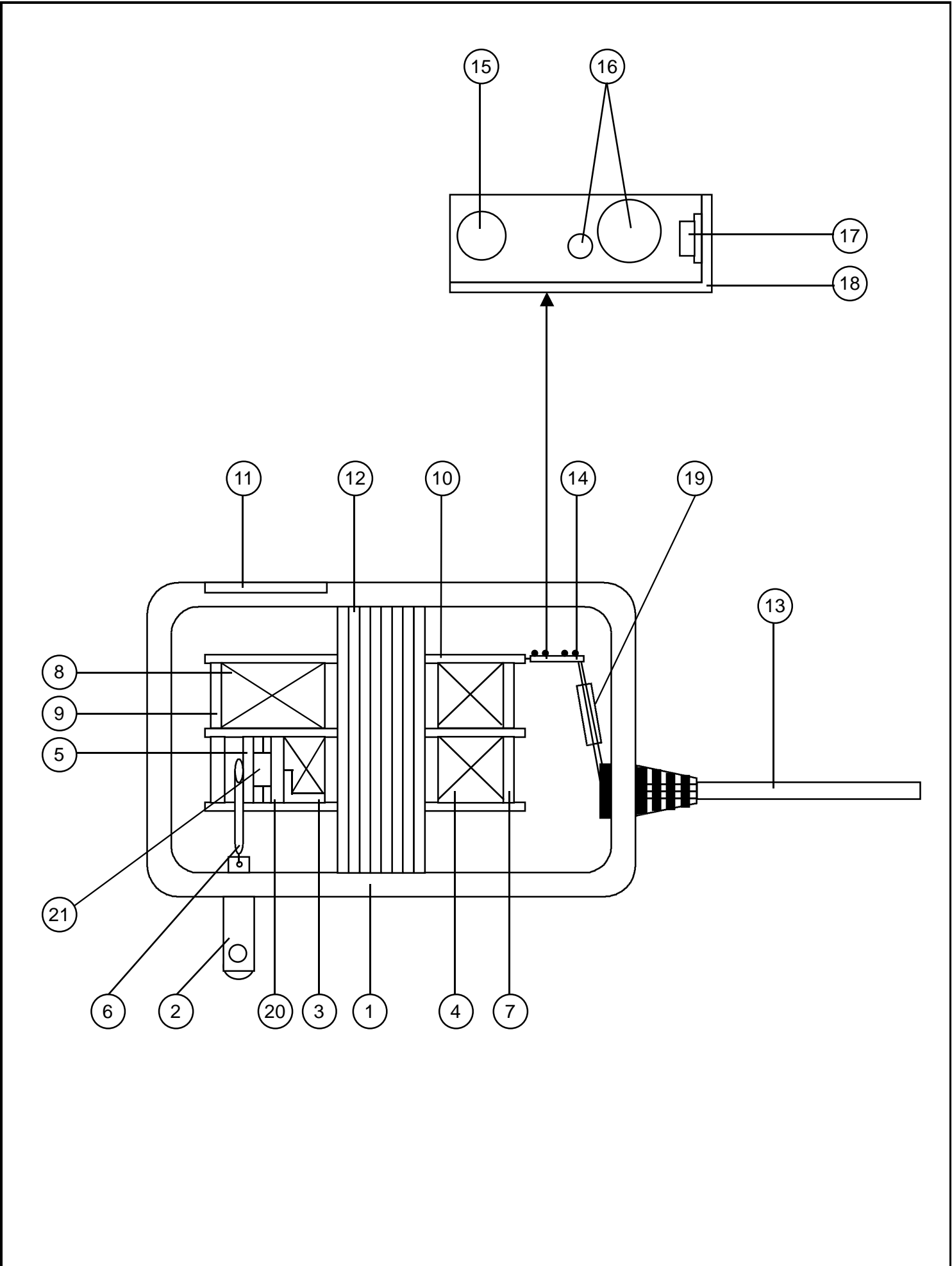


APPROVED BY \_\_\_\_\_ CHECKED BY \_\_\_\_\_ TESTED BY 李淑華

# 聯輝電機股份有限公司



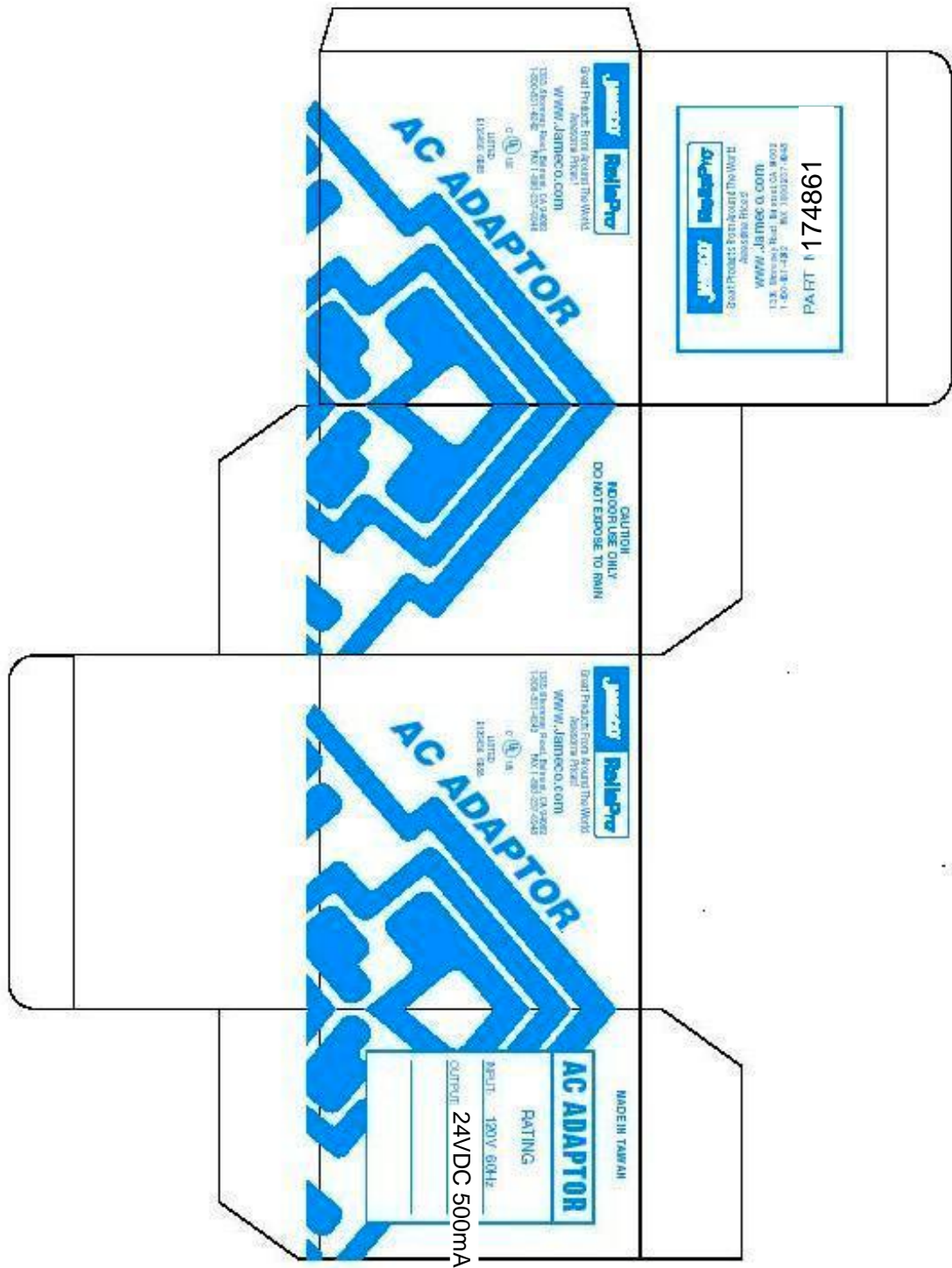
聯輝電機股份有限公司



# 聯輝電機股份有限公司

No	DESCRIPTION	MATERIAL	SPEC. & Q'TY	MANUFACTURE
1	Enclosure	Noryl SE 100		GE Plastics Japan Ltd. (E45587(B)
2	Primary Blades	Nickel Plating		Spread Profit Co., Ltd. or Equivalent.
3	Primary Crossover	Acetate Cloth Tape	0.34mm(1P)	Teraoka Seisakusho Co., Ltd.
4	Primary Winding	Polyurethane Enameled Copper Wire		Tai-I Electric Wire & Cable Co., Ltd. or Equivalent. (E85640(S))
5	Insulation Between Primary Winding & Lead Connection	Polyester Film Tape	0.05mm (4T)	Chyun Yih Tape Co., Ltd. (E81174) or Equivalent.
6	Pri Lead Wire	1015 AWG#22		
7	Primary Outerwrap	Polyester Film Tape	0.025mm (2T)	Chyun Yih Tape Co., Ltd. (E81174) or Equivalent.
8	Secondary Winding	Polyurethane Enameled Copper Wire		Tai-I Electric Wire & Cable Co., Ltd. or Equivalent. (E85640(S))
9	Secondary Outerwrap	Polyester Film Tape	0.025mm (2T)	Chyun Yih Tape Co., Ltd. (E81174) or Equivalent.
10	Bobbin	Zytel 101 ny66		E.I Dupont De Nemoure & Company (E41938(M)) or Equivalent.
11	Nameplate	P.V.C	0.35mm	I Houng Name Plate Co., Ltd. or Equivalent.
12	Core	Silicon Steel	0.5mm	Top Silicon Steel Corp. or Equivalent. or Equivalent.
13	Output Cord	Flexible Cord	AWG#22 UI2468	Lu Her Wire & Cable Co., Ltd. or Equivalent.
14	Rectifier Board	P.C.B	94V-0	Chen Hsien Enterprise Co. (E105119) or Equivalent.
15	Diodes	RB152		Master Instrument Corp. or Equivalent. or Equivalent.
16	Capacitor	C1:1000uf/40V C3:10uf/35V		Jun Fu Electronics Co., Ltd. or Equivalent.
17	IC	7824		Unisonic Technolongles Co., Ltd.
18	Hent Skin	Alume		
19	Silicon Tubing	Silicone		
20	Insulation Between Pri Winding & Lead Connection	Acetate Cloth Tape	0.34mm(1P)	Teraoka Seisakusho Co., Ltd.
21	Thermal Cutoff	M30	125°C	Joint Force Metal Research (E142267N) or Equivalent.

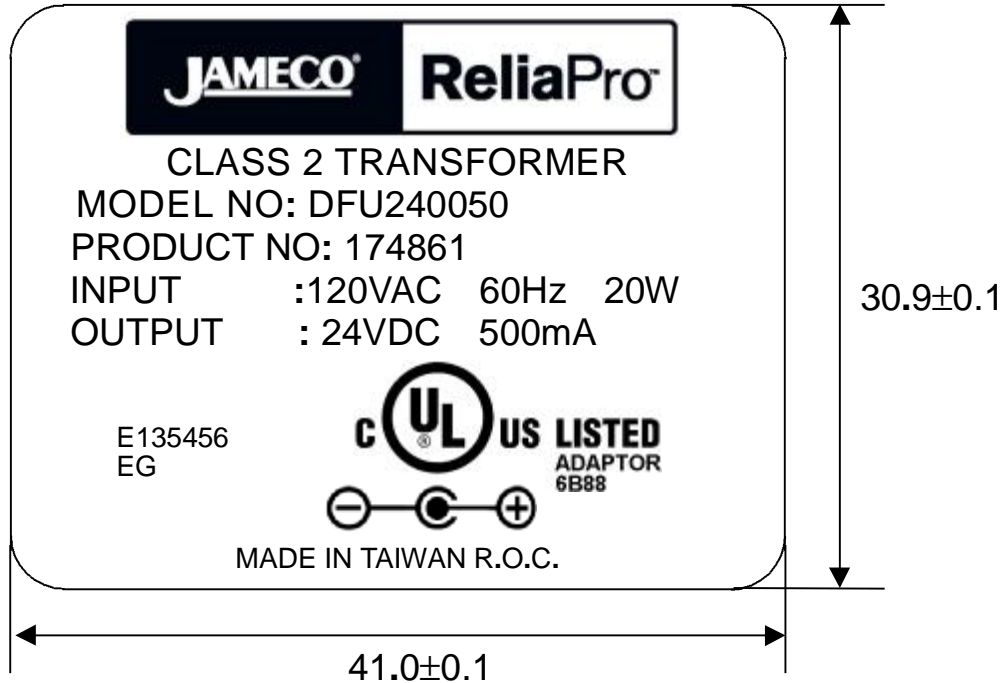
# 聯輝電機股份有限公司



- 1.尺寸:101x70x86m/m NO.7
- 2.磅數: 500 磅
- 3.印刷:白底藍色字体及圖案 色號: PMS 300

出圖章	名稱	小紙盒	5					
	料號		4					
	發行日		3					
	核准	品保審核	製圖	2				
			李淑華	1	符號	日期	變更事項	修訂者
				單位:m/m	版次	圖號		

# 聯輝電機股份有限公司



- 1.材質: PVC
- 2.厚度: 0.35<sup>+0.2</sup><sub>-0.1</sub>
- 3.印刷: 銀底黑字

出圖章	名稱	銘牌	5					
	料號		4					
	發行日		3					
	核准	品保審核	製圖	2				
			李淑華	1				
				符號	日期	變更事項		修訂者
			單位:m/m	版次	1-0	圖號		