

Distributed by:



www.Jameco.com ♦ 1-800-831-4242

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

Jameco Part Number 140880

SPECIFICATION

CUSTOMER: JAMES
 MODEL NO: EDU120150

DATE: '05.12.12
 DESIGNED NO: A2220

1. APPLICABLE SAFETY STANDARD :
PSE UL 1310 UL 1950 C-CUL GS CE 商檢

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
120VAC 60Hz	12VDC	±5%	1500mA-DC		

3.5 RIPPLE VOLTAGE : X mV(r.m.s) MAX. AT INPUT X VAC X Hz, LOAD X A.
 3.6 DC RESISTANCE : PRIMARY: X Ω± X % 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 1.5 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

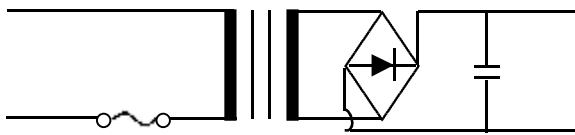
APPROVED BY _____ CHECKED BY _____ TESTED BY 李淑華

ELECTRICAL DATA

CUSTOMER: JAMES
 MODEL NO: EDU120150

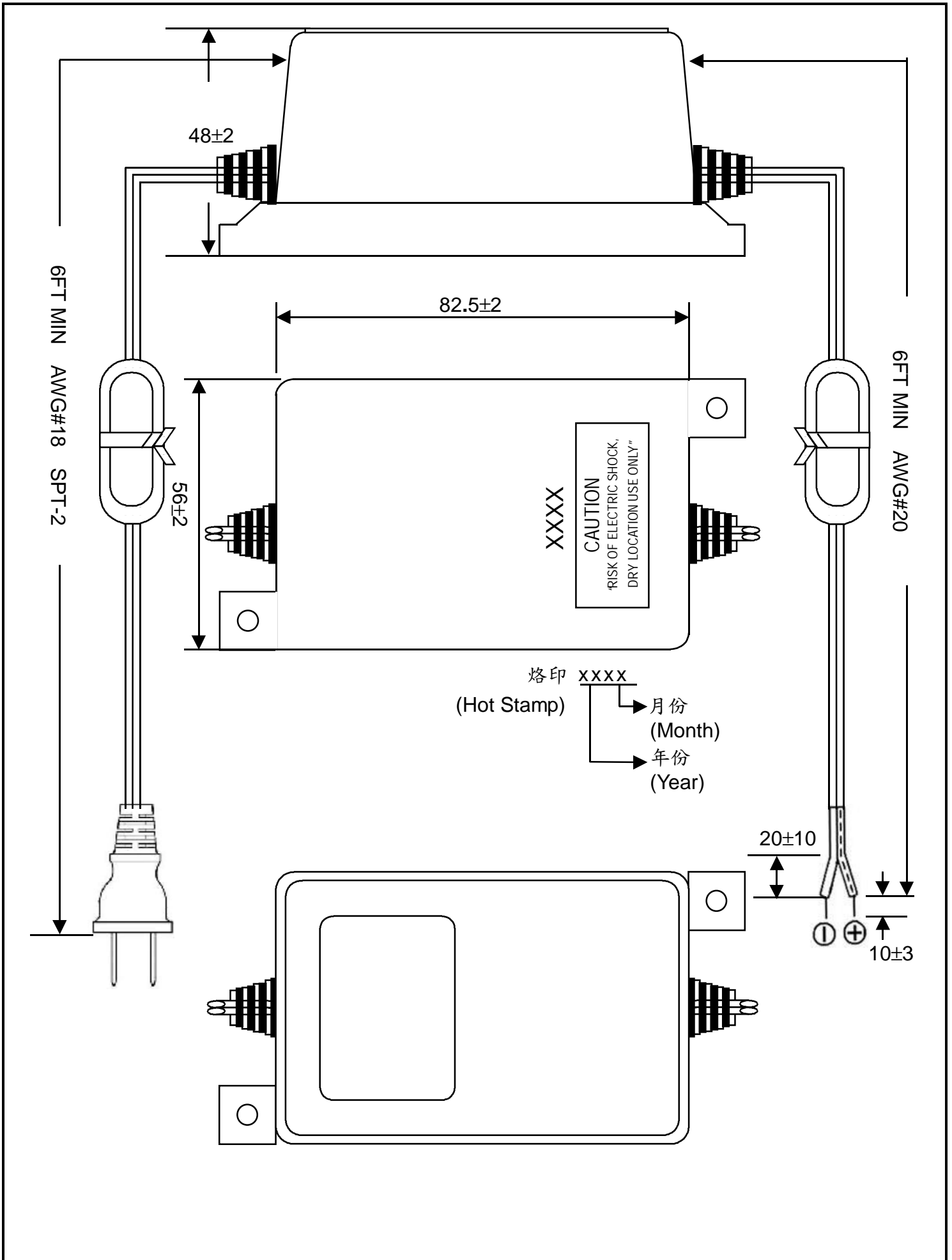
DATE: '05.12.12
 DESIGNED NO: A2220

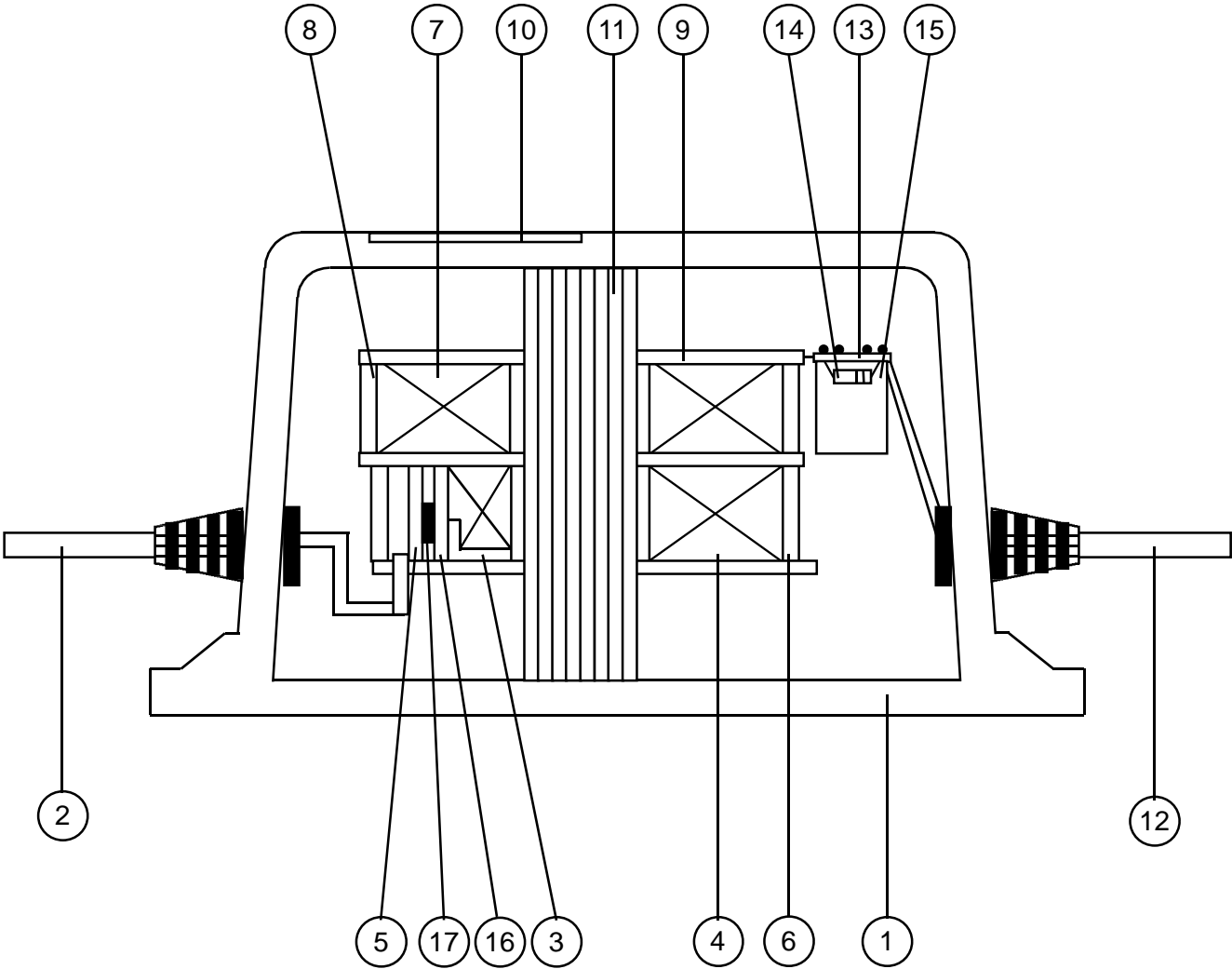
ITEM	SPEC.	SAMPLE									
		1	2	3	4	5	6	7	8	9	10
PRIMARY EXCITING CURRENT INPUT 120 V-AC 60 Hz	90 mA MAX.	50									
PRIMARY LOAD CURRENT INPUT 120 V-AC 60 Hz	mA	275									
SECONDARY #1 NO LOAD DC VOLTAGE		16.90									
SECONDARY #1 DC VOLTAGE LOAD 1500mA-DC	12V±5%	12.11									
TEMP RISE AFTER 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

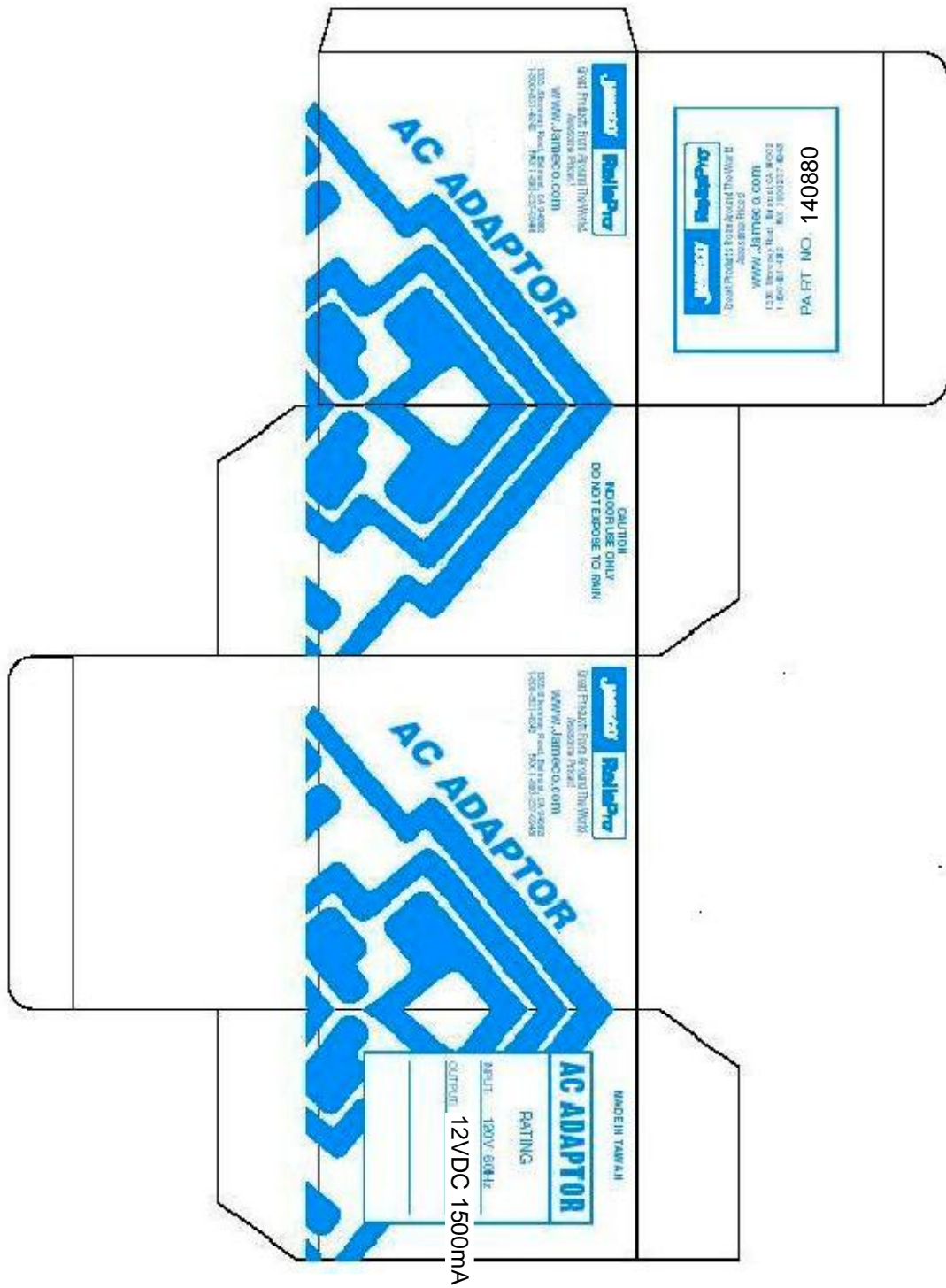




聯輝電機股份有限公司

No	DESCRIPTION	MATERIAL	SPEC. & Q'TY	MANUFACTURE
1	Enclosure	Noryl SE100(E455587(B))		Tung-Jung Winding Co., Ltd. Jong WeNN Enterprise Co., Ltd.
2	Input Cord	Flexible Cord	AWG#18 SPT-2	Huan Wei Enterprise Co., Ltd. Ming Sheng Enterprise Co., Ltd.
3	Primary Crossover	Acetate Cloth Tape	0.34mm(1P)	Chyun Yih Tape Co., Ltd. Jeou Uei Co., Ltd.
4	Primary Winding	Polyurethane Enameled Copper Wire(E85640(S))		Hung Sheng WireMfg Co., Ltd.
5	Insulation Between Primary Winding & Lead Connection	(1)Polyester Film Tape (E81174) (2)Press Board	0.025mm(2T) 0.25mm(1P)	Chyun Yih Tape Co., Ltd. Jeou Uei Co., Ltd. Abekawa Kogyo Co., Ltd.
6	Primary Outerwarp	Polyester Film Tape (E81174)	0.05mm(4T)	Chyun Yih Tape Co., Ltd. Jeou Uei Co., Ltd.
7	Secondary Winding	Polyurethane Enameled Copper Wire(E85640(S))		Hung Sheng WireMfg Co., Ltd.
8	Secondary Outerwarp	Polyester Film Tape (E81174)	0.025mm(2T)	Chyun Yih Tape Co., Ltd. Jeou Uei Co., Ltd.
9	Bobbin	Zytel 101 NY66(E41938)		Tung-Jung Winding Co., Ltd. Jong WeNN Enterprise Co., Ltd.
10	Nameplate	P.V.C.	0.35mm	
11	Core	Silicon Steel	0.5mm	Top Silicon Steel Corp.
12	Output Cord	Flexible Cord(E105119)	AWG#20 UL2468	Huan Wei Enterprise Co., Ltd. Ming Sheng Enterprise Co., Ltd.
13	Rectifier Board	P.C.B.	94V-0	Chen Hsien Enterprise Co.
14	Diodes	IN5400---5		Master Instrument Corp.
15	Capacitor	3300uf/20V		Fuh Yin Electronics Co., Ltd.
16	Insulation Between Primary Winding & Thermal Cutoff	Acetate Cloth Tape	0.34mm(1P)	Chyun Yih Tape Co., Ltd. Jeou Uei Co., Ltd.
17	Thermal Cutoff	M20 or A2(E422267N)	115°C	Joint Force Metal Research & Co.

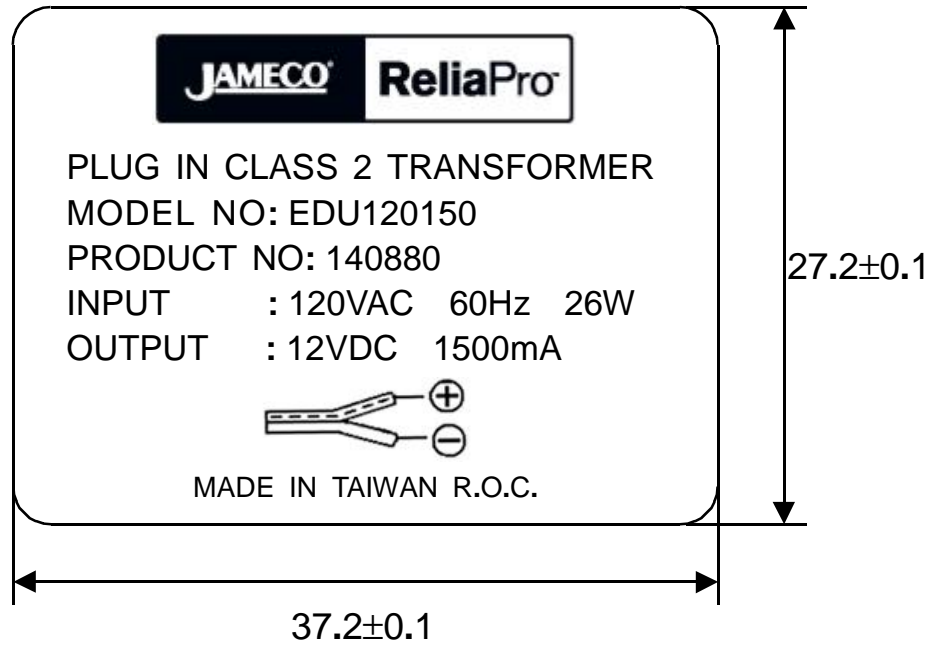
聯輝電機股份有限公司



- 1.尺寸:120x73x90m/m No.14 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 +0.2/-0.1
- 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	審核者
			單位:m/m	版次	1-0	圖號			