



Revision: 02

Approval Sheet

MODEL NO.: T48-9-1000D3
 PART NO.: T3094ST
 DESCRIPTION: Linear adapter
 DATE: 2009/10/13

PREPARED	DESIGNED	CHECKED	APPROVED

APPROVAL DATE:

CUSTOMER APPROVAL		



1.Product Characteristics:

1.1General Description:

Model T48-9-1000D3 (customer NO: _____) is a wall-mount AC/DC adaptor. The output voltage is 9V DC at loading 1000 mA under a rated input voltage 230 VAC.

1.2Electrical Characteristics:

1.2.1Primary rated voltage & frequency: 230 VAC 50 Hz 87 mA.

1.2.2Primary exciting current: 80 mA r.m.s MAX.

1.2.3Secondary rated voltage & current:

The adaptor described by this specification shall meet the following output requirement given in the test circuit as shown in item (1.2.5).

Input Voltage(VAC)	Output Load Current(mA)	Output Voltage(VDC)	Ripple Voltage(r.m.s)
230	1000	9V ±5%	
230	0	13.5V MAX	

1.2.4Temperature rise of primary winding: 75 °C MAX.at input 230 VAC 50 Hz, loading 1000 mA,by using resistance method.

1.2.5Insulation resistance: insulation resistance between input and output plug,and between winding and core,shall not be less than 100 MΩ measured by 500 VDC insulation resistance tester.

1.2.6HI-POT test: 3000 VAC (2mA) for 1 minute (or 3750 VAC(2mA) for 1 second in the mass production) between AC plug and DC plug. 4500 VAC(2mA)for 1 second between primary winding and secondary winding ,and between primary winding and core. 1500 VAC (2mA) for 1 second between secondary winding and core.

1.2.7Safety standard: **S/GS , CE .**

1.2.8Unit weight: **About 470g.**

1.2.9PB-free Standard : RoHS Compliant.

1.2.10Humidity test:In an ambient temperature of 40 °C±2°C,relative humidity 90-95% for 96 hours, unit should meet the requirements of item (1.2.6) and minimum 10 MΩ insulation resistance after 10 minutes.

1.2.11Burn-in test:In an ambient temperature of 40 °C, 90-95% R. H.,applied a power source of

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230 VAC 50 Hz to primary, with secondary full load 1000 mA for 8 hours continuously, the unit should meet the requirements of item (1.2.3;1.2.5;1.2.6)

1.3 Mechanical Characteristics:

1.3.1 Appearance: Damage, rust, foam not permitted.

1.4 Adaptor colour:

1.4.1 Case: BLK

1.4.2 Cord: BLK

1.4.3 Plug top: BLK (Insulation Chip)

FILE NO.: EN-RDS-B428

FILE: @1T48-090100D-037 產品承認書

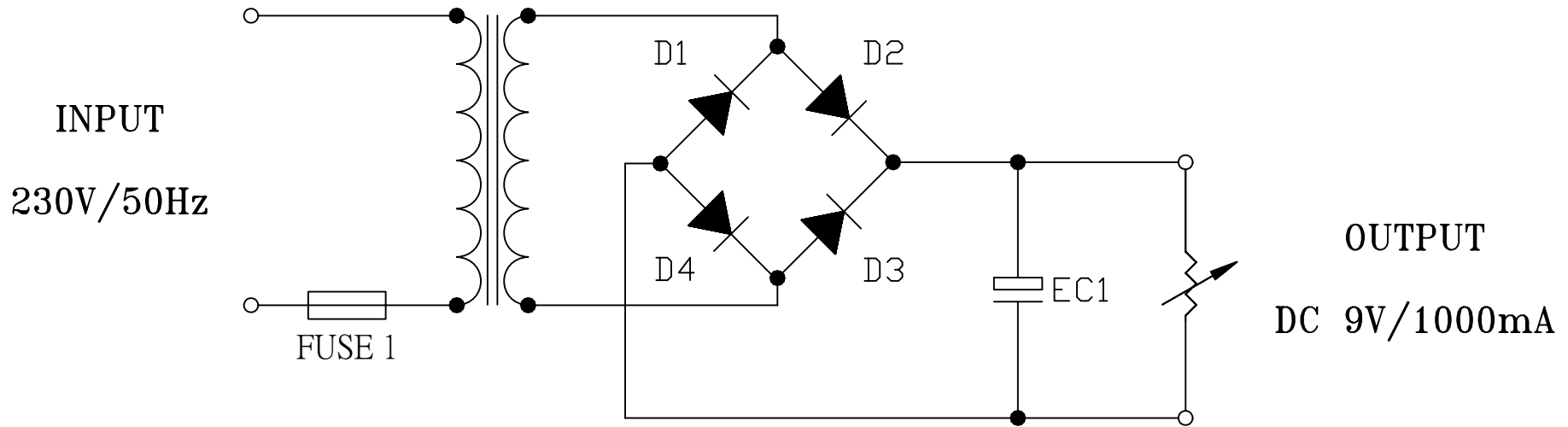
SHEET: 03

2.Attachment:

- (Att.1) Circuit diagram
- (Att.2) Test circuit
- (Att.3) Label
- (Att.4) Outdrawing
- (Att.5) Package
- (Att.5.1) Package flow chart
- (Att.6) Dc cord drawing
- (Att.7) Assembly drawing
- (Att.8) Material list
- (Att.9) Electrical test report

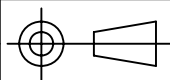

Att.1

D1~D4: 1N5391~1N5394



FUSE 1: #A4(130°C) EC1:2200uf/16V (105°C)

TOLERANCE	

DESIGNED	CHECKED	APPROVED		TITLE	DATE
Jifeng	Luom	Zhurg		CIRCUIT DIAGRAM	06/06/2
			UNITS	mm	DRAWING No.
			SCALE		@1T48-090100D-037
				DRAWING NAME	REVISION
				480110	

Att.2

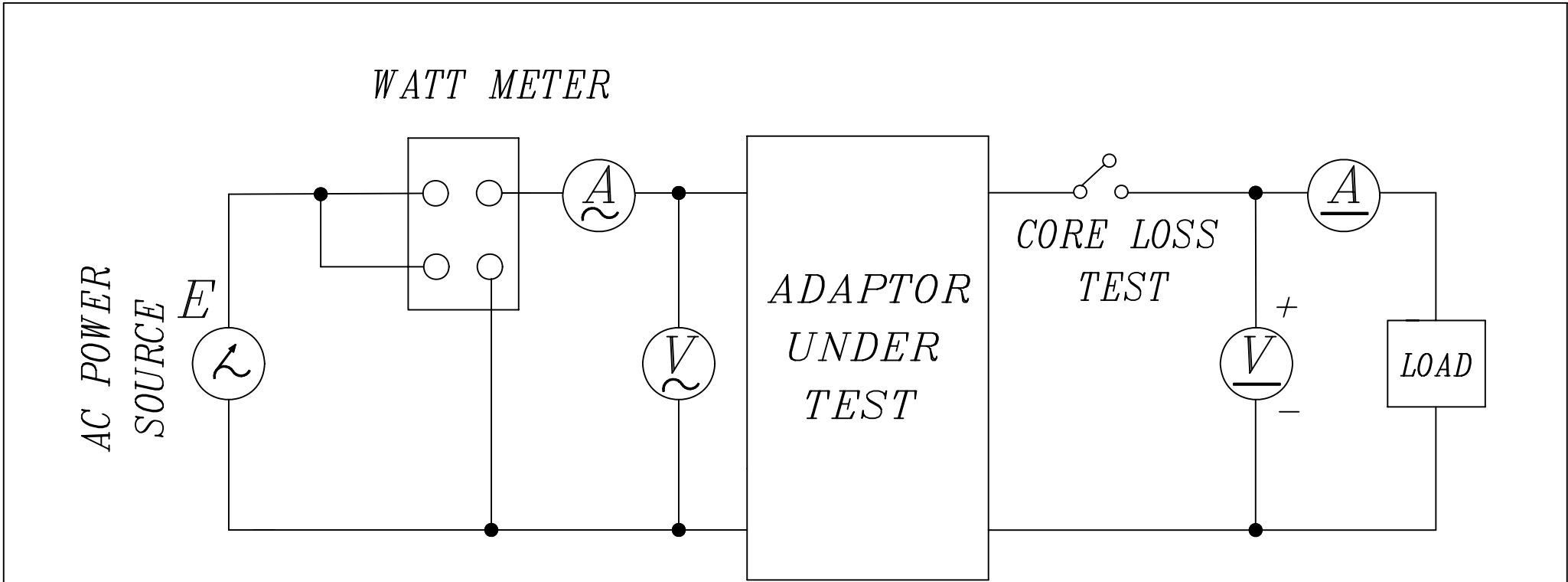
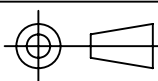

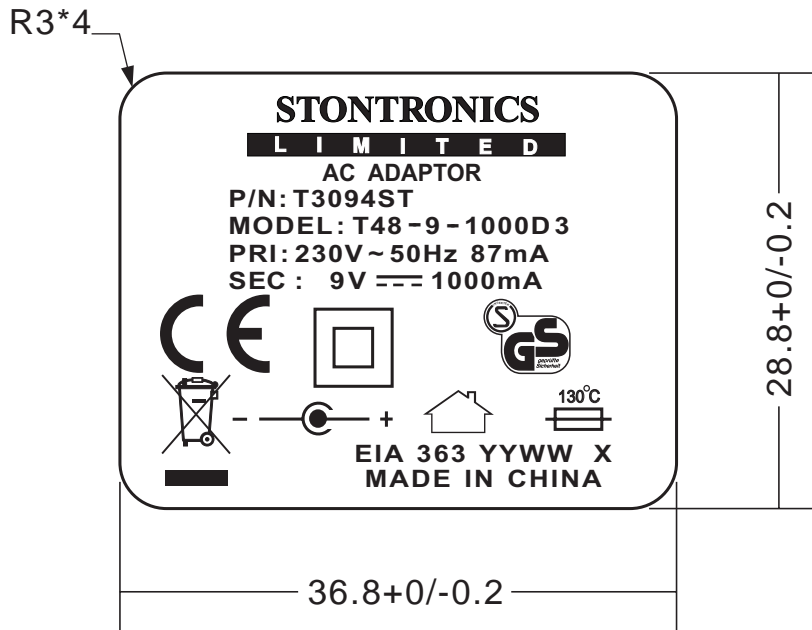


Figure 1

			TOLERANCE			
DESIGNED	CHECKED	APPROVED			TITLE	DATE
Jifeng					UNITS	mm
			SCALE		DRAWING No.	06/06/
					@1T48-090100D-037	
					DRAWING NAME	REVISION
					TD-001	

Att.3

* CASE NO .: ENG 48-21-09C



Remarks: YYWW X

- YY provides production year
- WW provides production week
- X producing area (S:Fu Yong; A:Dong Guan)

Adhesion strength of specification label (Tape peeling test).
 Firmly apply pressure sensitive adhesive tape on the middle of the specification label to the lengthwise direction.
 Pull the tape off quickly at a 90° angle to the surface of the label once.

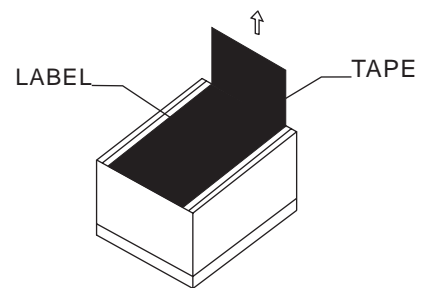
[Specification] There shall be no blistering or peeling of the specification label.

[Used adhesive tape] 3m #44 tape 18 width.
 Thickness:0.2mm

Material: PVC POLYESTER

ALUMINIUM

- BLACK WORD ON SILVER BASE
- SILVER WORD ON BLACK BASE
- WHITE WORD ON BLACK BASE



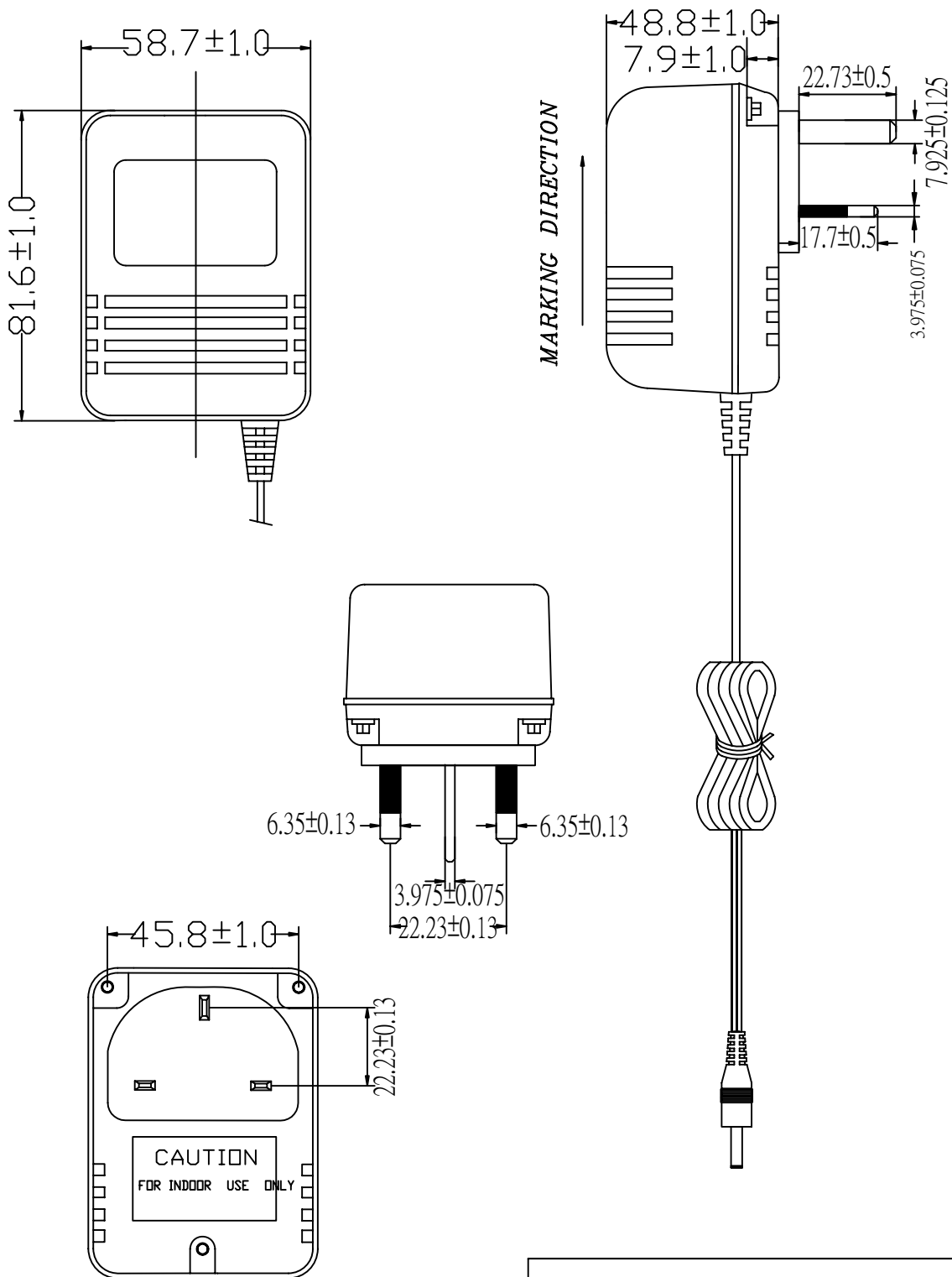
TOLERANCE

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@1T48-090100D-037

DESIGNED	CHECKED	APPROVED		TITLE	DATE
Tanll	Chenjx	Zhurg		UNITS	LABEL
			mm	DRAWING No.	
			SCALE	@N10-Y02102-A08	
			2:1	DRAWING NAME	REVISION
				4821	01

Att.4



TOLERANCE				

DESIGNED	CHECKED	APPROVED		TITLE	DATE
CaiGF	Jifeng	Zhurg		UNITS	OUTDRAWING
			mm	DRAWING No.	06/06/20
			SCALE	@1T48-090100D-037	
				DRAWING NAME	REVISION
				482109C	01



Att.5

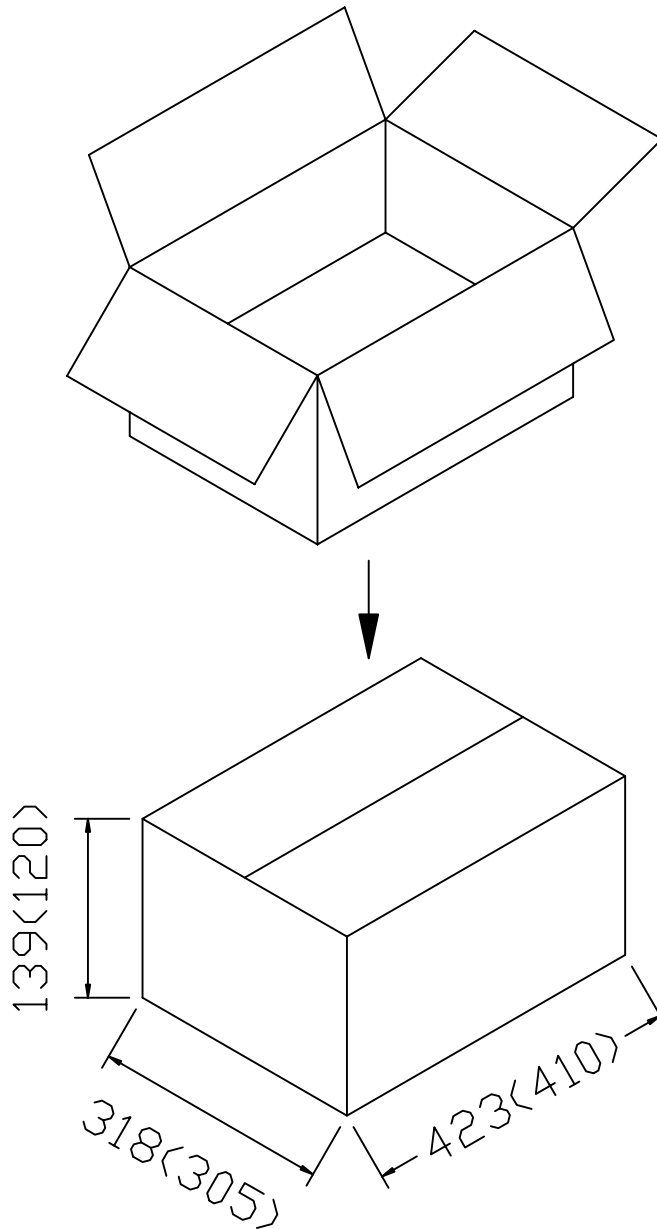
CARTON MATERIAL:A=B(6mm)

CARTON SIZE: 423X318X139mm

外箱尺寸 423X318X139mm

Q'TY: 30pcs(15x2)

数量 30pcs(15x2)



The tolerance of the internal dimensions of the carton is +7/-0

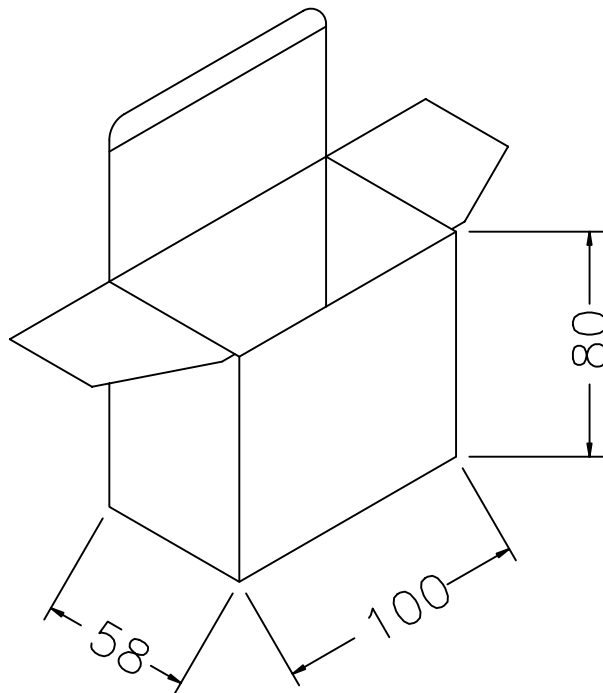
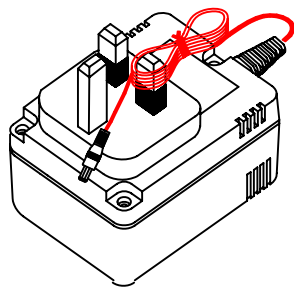
紙箱內度尺寸公差為+7/-0

TOLERANCE				

DESIGNED	CHECKED	APPROVED		TITLE	DATE
CaiGF	Jifeng	Zhurg		UNITS mm	PACKAGE
			SCALE	DRAWING No. P14-1520-H-00	
				DRAWING NAME 14-1520-H-00	REVISION 01

THE POWER TO SUPPLY

Att.5.1



White Box: NO.14

小礼盒号码 14#

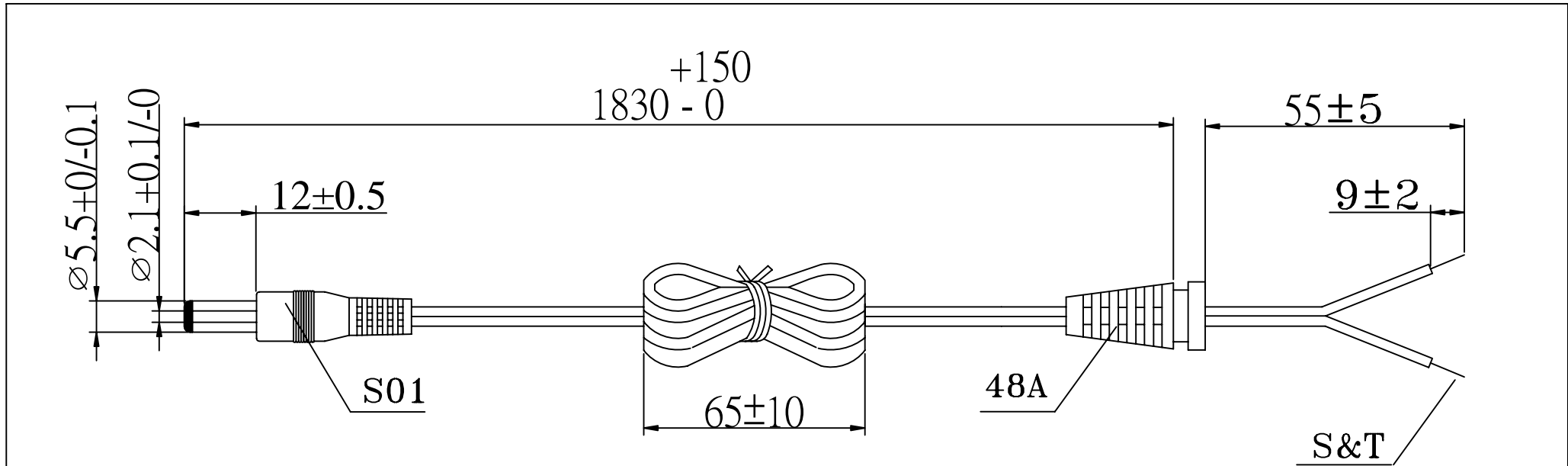
The tolerance of the external dimensions of the white box is ± 1

小禮盒外度尺寸公差為 ± 1

TOLERANCE				

DESIGNED	CHECKED	APPROVED		TITLE	DATE
CaiGF	Jifeng	Zhurg		UNITS mm	PACKAGE FLOW CHART
SCALE				DRAWING No.	REVISION
				@1T48-090100D-037	
				DRAWING NAME	
				14#	

Att.6



#20AWG X2C UL2468
WIRE OD: $\phi 1.9 \times 3.8$

HAVE ON WORD WIRE IN OUTER, NO WORD WIRE IN INNER



TOLERANCE

Parameter request

搖擺測試 VIBRATION TEST	a. $\pm 60^\circ$
	b. 吊重200g WEIGHT 200g
	c. 40回/分 40 ROUND/MINUTE
	d. 1000次/最少 OVER 1000 COUNT MIN

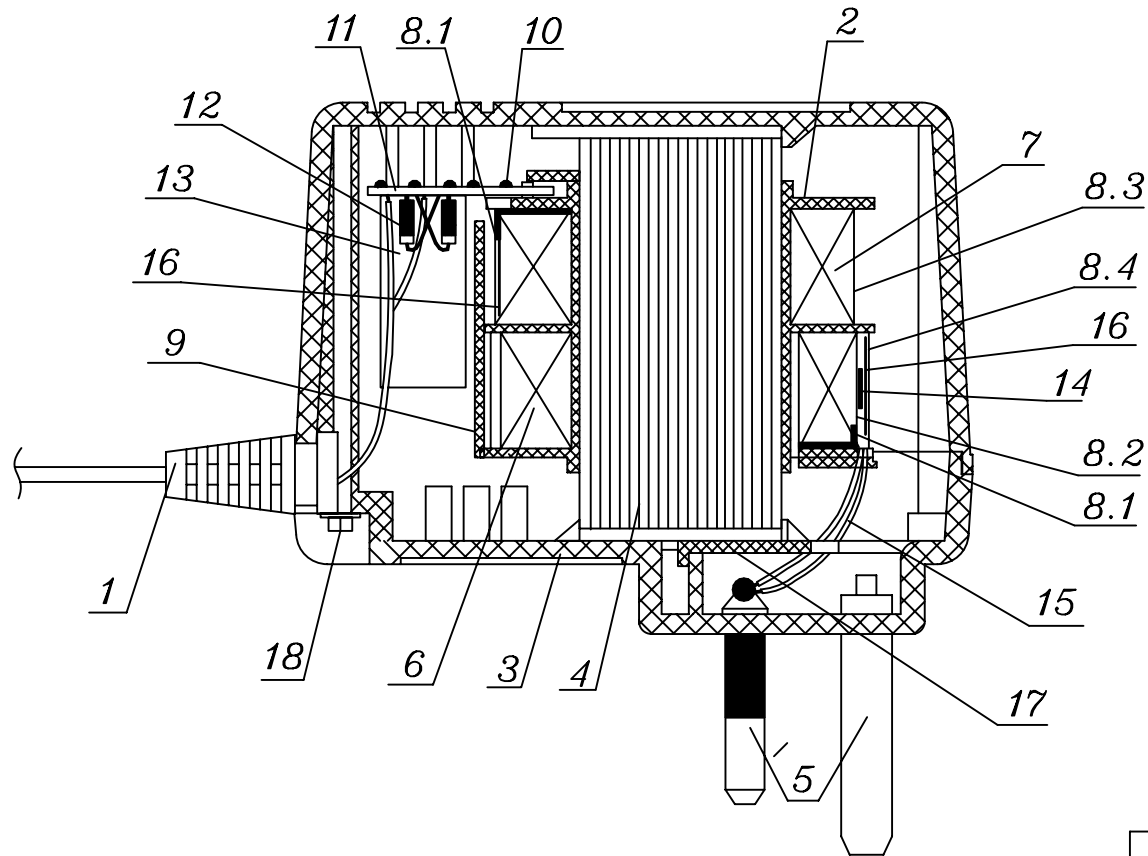
DESIGNED	CHECKED	APPROVED	UNITS SCALE
CaiGF	Jifeng	Zhurg	

STONTRONICS

THE POWER TO SUPPLY

TITLE	DC CORD	DATE
DRAWING No.	@1T48-090100D-037	06/06/20
DRAWING NAME	20-48AS01-03B-00	REVISION
		01

Att.7



TOLERANCE				

DESIGNED	CHECKED	APPROVED		TITLE	DATE
CaiGF	Jifeng	Zhurg		ASSEMBLY DRAWING	06/06/20
			UNITS mm	DRAWING No.	
			SCALE	@1T48-090100D-037	
				DRAWING NAME	REVISION
				482109C	01



Att.8 Material List @1T48-090100D-037

ITEM NO.	DESCRIPTION	MATERIAL	MANUFACTURER	UL. FI. AME CLASS	Certificate File No.	TEMP.
1	Output Cord (BLK)	UL2468 AWG #20x2C 1830mm With 5.5x2.1x12mm	1.Techpoint Electric Wire & Cable Co.,Ltd. 2.Dong Guan guneetal Electric Wire And Cable Factory. 3.Zhe Jiang Xin Ya Electronic Co.Ltd. 4.Leader Electric Wire & Cable Co.,Ltd. 5.Sheng Yu Enterprise Co Ltd.		E174881 E204204 E176939 E154283 E219726	80°C
2	Bobbin	Nylon66 101L	1.Techpoint Electric Wire & Cable Co.,Ltd.		E174881	80°C
3	Enclosure (BLK)	1.ABS TYPE 2.Noryl SE100	GE Plastics americas.	94V-0 94V-1	E121562® E45587(R)	85°C 95°C
4	Lamination	Silicon Steel	1.Shenzhen Chun Yuan Steel Industry Co.,Ltd. 2.Topper Silicon Steel (Shenzhen)Co., Ltd. 3.Dong Guan Dong Jiang Electronic Co., Ltd.			
5	Primary Blade	Copper Placed Brass	Spreadprofit Co., Ltd.			
6	PrimaryWire	Polyurethane Enamelled Copper Wire (2UEW)	1.Chuen Yin Wire Co., Ltd. 2.Feng Ching Metal Corporation. 3.Jinh Fu Copper Wire Co., Ltd.		E154709 E172395 E169290(S)	130°C
7	SecondaryWire	Polyurethane Enamelled Copper Wire (2UEW)	1.Chuen Yin Wire Co., Ltd. 2.Feng Ching Metal Corporation. 3.Jinh Fu Copper Wire Co., Ltd.		E154709 E172395 E169290(S)	130°C
8.1	Cross-over	1.3M#44 Tape 0.127mm thickness layer 2.P-2441 0.16mm thickness layer	1.3M Electric products Division 2.Chyun Yih Tape Co., Ltd.		E17385 E81174 (S)	130°C 130°C
8.2	Insulation Film	0.025mm Thickness Polyester Film Tape 2 Turns P2XXF(b)	1.Chyun Yih Tape Co., Ltd. 2.Four Pillars Ent. Co., Ltd.		E81174(S) E50292(S)	130°C
8.3	Insulation Film	0.025mm Thickness Polyester Film Tape 2 Turns P2XXF(b)	1.Chyun Yih Tape Co., Ltd. 2.Four Pillars Ent. Co., Ltd.		E81174(S) E50292(S)	130°C
8.4	Insulation Film	0.025mm Thickness Polyester Film Tape 2 Turns P2XXF(b)	1.Chyun Yih Tape Co., Ltd. 2.Four Pillars Ent. Co., Ltd.		E81174(S) E50292(S)	130°C
9	Coat Bobbin	Nylon66 101L	1.Techpoint Electric Wire & Cable Co.,Ltd. 2.Dong Guan guneetal Electric Wire And Cable		E174881 E204204	80°C
10	Secondary Lead	Self Leads	1.Chuen Yin Wire Co., Ltd. 2.Feng Ching Metal Corporation.		E154709 E172395	130°C
11	P.C.Board	"W2"Type 1.6mm thickness "T2"Type 1.6mm thickness	1.Shenzhen Weijie Electric Circuit Co., Ltd. 2.Techni Technology Ltd.	94V-0 94V-0	E162665 E154355	130°C 105°C
12	Diode	1N5391~1N5394	1.SEP Electronic Corp. 2.Jinan Gude Electronic Device Co., Ltd.			
13	Capacitor	2200uf/16V	1.XunDa Electronics(Shen Zhen)Co.,Ltd. 2.Ark Electronic Co.,Ltd. 3.Yong TE. Electronic Co., Ltd.			105°C
14	Thermal Fuse	#A4(130°C)	Aupo Electronics Ltd.		E140847	130°C
15	Primary Lead	UL1015 #22AWG VW-1 105°C 600V	1.Guneetal(Dong Guan Fu Mun) Entrance Guneehol Electric Wire Factory. 2.DongGuan XinYa Wire & Cable Co.,Ltd. 3.Leader Electric Wire & Cable Co.,Ltd. 4.Dong Guan Fu Mun Entrance Sanlung Electric Wire Factory.		E204204 E176939 E154283 E209116	105°C 105°C 105°C
16	Paperboard	0.25mm thickness paperboard	Abekawa Kogyo Co.,Ltd.			
17	Insulation Cushion	PC 300V	Dow Chemical U S A Plastics Dept.	94V-2	E123529(M)	125°C
18	Screw	2.8Φ x15mm	Shenzhen Jie Li Metal Manufactory Co., Ltd.			

APPROVED BY:Zhurg

CHECKED BY: Luom

PREPARED BY: renhy



Att.9 Electrical test report@1T48-090100D-037

NO	Pri. #1		Pri. #2	SECONDARY #1				SECONDARY #2			
	D.C.R. __ohms		D.C.R. __ohms	D.C.R. __ohms				D.C.R. __ohms			
	Input Voltage & Frequency	Exciting Current 80 mA MAX	Rated Current __mA MAX	No Load		Load 1000 mA		No Load		Load mA	
				VAC	VDC	VAC	VDC	VAC	VDC	VAC	VDC
					13.5V MAX		9V ±5%				
1	230 V / 50 Hz	45	82		12.56		8.95				
2											
3											
4											
5											
6											
7											
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10											
11											
12											
13											
14											
15											

APPROVED BY: Zhurg

CHECKED BY: Luom

PREPARED BY: renhy