UL TEST REPORT AND PROCEDURE

Standard:	UL 62368-1, 2nd Ed, 2014-12-01 (Audio/video, information and communication technology equipment Part 1: Safety requirements) CAN/CSA C22.2 No. 62368-1-14, 2nd Ed (Audio/video, information and communication technology equipment Part 1: Safety requirements)
Certification Type:	Listing
CCN:	QQJQ, QQJQ7 (Power Supplies for Use in Audio/Video, Information and Communication Technology Equipment)
Product:	SWITCHING ADAPTER
Model:	FJ-SW2017xxxyyyy (xxx= 050-090, 095-195, 200-330, 360-540; indicates 3 digit numbers which represents output voltage in V after diving by 10. For example, 050 = 5.0Vdc, 540= 54.0Vdc. yyyy= 0010 to 6000;indicates 4 digit numbers which represents output current in A after diving by 1000. For example, 0010 =0.01A, 6000 =6.0A. See enclosure ID 7-01 for details)
Rating:	Input: 100-240V~, 50/60Hz, 1.5A Max. Output: 5.0-54Vdc, 0.1-6.0 A (See enclosure ID 7-01 for details)
Applicant Name and Address:	SHENZHEN FUJIA APPLIANCE CO LTD BLDG B1, XUJINGCHANG TECHNOLOGY INDUSTRIAL PARK, XINHE VILLAGE FUYONG TOWN BAOAN SHENZHEN GUANGDONG 518103 CHINA

This is to certify that representative samples of the products covered by this Test Report have been investigated in accordance with the above referenced Standards. The products have been found to comply with the requirements covering the category and the products are judged to be eligible for Follow-Up Service under the indicated Test Procedure. The manufacturer is authorized to use the UL Mark on such products which comply with this Test Report and any other applicable requirements of UL LLC ('UL') in accordance with the Follow-Up Service Agreement. Only those products which properly bear the UL Mark are considered as being covered by UL's Follow-Up Service under the indicated Test Procedure.

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Supporting Documentation

The following documents located at the beginning of this Procedure supplement the requirements of this Test Report:

A. Authorization - The Authorization page may include additional Factory Identification Code markings.

B. Generic Inspection Instructions -

i. Part AC details important information which may be applicable to products covered by this Procedure. Products described in this Test Report must comply with any applicable items listed unless otherwise stated in the body of this Test Report.

ii. Part AE details any requirements which may be applicable to all products covered by this Procedure. Products described in this Test Report must comply with any applicable items listed unless otherwise stated in the body of each Test Report.

iii. Part AF details the requirements for the UL Certification Mark which is not controlled by the technical standard used to investigate these products. Products are permitted to bear only the Certification Mark(s) corresponding to the countries for which it is certified, as indicated in each Test Report.

Product Description

The products with series model names FJ-SW2017xxxyyyy are desk-top type switching adaptor intended to use for information technology equipment or Audio and Video equipment. The bottom enclosure is secured to top enclosure by screws and mechanical clamping method.

Model Differences

All models are identical to eath other except for model name, rated output, transformer, C7, C22, Q4 and OP2. See enclosure ID 7-01 for details.

Test Item Particulars	
Classification of use by:	Ordinary Person Children likely to be present
Supply Connection:	AC Mains
Supply % Tolerance:	+10%/-10%
Supply Connection – Type:	pluggable equipment type A - appliance coupler
Considered current rating of protective device as part of building or equipment installation:	20 A; Installation location: building
Equipment mobility:	movable transportable
Over voltage category (OVC):	OVC II
Class of equipment:	Class I
Access Location:	N/A
Pollution degree (PD):	PD 2
Manufacturer's specified maximum operating ambient:	45
IP protection class:	IPX0

Power Systems:	TN
Altitude during operation (m):	Up to 5000 m
Altitude of test laboratory (m):	2000 m or less
Mass of equipment (kg):	Approx. max. 0. 256

Technical Considerations

- The product is intended for use on the following power systems : TN
- Considered current rating of protective device as part of the building installation (A) : 20
- Mains supply tolerance (%) or absolute mains supply values : +10%/-10%
- The equipment disconnect device is considered to be : appliance inlet
- The following circuit locations (with circuit/schematic designation) were investigated as a limited power source (LPS) : Output terminal
- The Risk Group of a lamp or lamp system (including LEDs) is : Exempt (LED for indicating)
- The following are available from the Applicant upon request : Installation (Safety) Instructions / Manual
- The product was submitted and evaluated for use at the maximum ambient temperature (Tma) permitted by the manufacturer's specification of : 45 °C

Additional Information

N/A

Additional Standards

The product fulfills the requirements of: N/A

Markings and Instructions

Clause Title	Marking or Instruction Details
F.3.2.1 Equipment identification marking – Manufacturer identification	Listee's or Recognized company's name, Trade Name, Trademark or File Number
F.3.2.2 Equipment identification marking – model identification	Model Number
F.3.3 Equipment rating marking – ratings	"Input Ratings (voltage, frequency/dc, current/power)", "Output Ratings (voltage, frequency/dc, current/power)"
F.3.3.9 DV.1 Equipment with output terminals other than mains supply	rated voltage, rated frequency/dc, rated maximum current/power, equipment to be connected, Class 1 wiring adjacent to terminals, Class 2 wiring adjacent to terminals, Class 3 wiring adjacent to terminals
F.3.6.1.1 Class I equipment - Terminal for main protective earthing	Provided adjacent to the main protective earthing terminal (IEC 60417-5019)

Special Instructions to UL Representative

Inspect the transformer(s) listed in Production-Line Testing Requirements (Electric Strength Test Special Constructions) per AA1.1- (C). When the tests are conducted at other location, inspect test record and specification sheet provided by the component manufacturer. Verify the specification sheet indicates 100% routine test specified in Production-Line Testing Requirements (Electric Strength Test Special Constructions) be conducted at the component manufacturer.

The insulation tape wrapping transformer core is width 20 mm and no glue between transformer core and heat sink HS2.

BD1.0	**TABLE: Product-Line Testing Requirements**					—
BD1.1	**Electric Strength Test Special Constructions – Refer to Generic Inspection Instructions, Part AC for further information.**					
Model	Component	Removable parts	Test probe location	Test V rms	Test V dc	Test Time, s
All models	Transformer (T2)	N/A	Primary winding and secondary winding	3600 Vpeak	3600 Vpeak	1 to 4 s
BD1.2	**Earthing Continuity Test Exemptions – This test is not required for the following models:**					
	N/A					
BD1.3	**Electric Strength Test Exemptions – This test is not required for the following models:**					
	N/A					
BD1.4	**Electric Strength Test Component Exemptions – The following solid-state components may be disconnected from the remainder of the circuitry during the performance of this test.**					
	N/A					
Sample and Test Specifics for Follow-Up Tests at UL						
Model	Component	Material	Test	Sample (s)	Test Specifics	
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4.1.2	TABLE: List of critical components					Pass
Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Product Category CCN(s)	Mark(s) of conformity	Supplement ID
01.Label	Interchangeable	Interchangeable	86 degree C minimum, suitable for its application surface. All marking labels should be provided by authorized suppliers (PGAA).	PGDQ2 or PGJI2	UL	
01a. Permanency of Marking (Alternate)	--	--	Permanently ink-stamped, silk-screened, molded in, or on self-adhesive labels.	--	--	
02. Enclosure	Sabic Innovative Plastics Us L L C	940(f1)	V-0, minimum 1.5mm thick, minimum 2.8mm thick at the seam, 120 degree C, HWI=3. Plastic enclosure secured together by screws and mechanical buckle. See Enclosure 7-02 for details.	QMFZ2	UL E121562	07-02
02a. Enclosure	SILVER AGE ENGINEERING PLASTICS (DONGGUAN) CO LTD	PC2330, PC2370(a1)(f1)	V-0, minimum 1.5mm thick, minimum 2.8mm thick at the seam, 115 degree C, HWI=2 for PC2330, HWI=3 for PC2370(a1)(f1). Plastic enclosure secured together by screws and mechanical buckle. See Enclosure 7-02 for details.	QMFZ2	UL E225348	07-02
03. Appliance Inlet (CN1)	Zhejiang LECI Electronics Co., Ltd	DB-14	15A, 250Vac, Standard sheet C14, 105 degree C	AXUT2	UL E302229	

03a. Appliance Inlet (CN1) (Alternative)	Zhejiang LECI Electronics Co., Ltd	DB-6	5A, 250Vac, Standard sheet C6, 105 degree C	AXUT2	UL E302229	
03b. Appliance Inlet (CN1) (Alternative)	ZHE JIANG BEI ER JIA ELECTRONIC CO LTD	ST-A01-003J	15A, 250Vac, Standard sheet C14, 95 degree C	AXUT2	UL E225980	
03c. Appliance Inlet (CN1) (Alternative)	ZHE JIANG BEI ER JIA ELECTRONIC CO LTD	ST-A04-002	2.5A, 250Vac, Standard sheet C6, 105 degree C	AXUT2	UL E225980	
03d. Appliance Inlet (CN1) (Alternative)	Rong Feng Industrial Co Ltd	SS-120	8 or 10 or 15A, 250Vac, Standard sheet C14, 105 degree C	AXUT2	UL E102641	
03e. Appliance Inlet (CN1) (Alternative)	Rong Feng Industrial Co Ltd	RF-190	2.5 or 5 A, 250Vac, Standard sheet C6, 105 degree C	AXUT2	UL E102641	
03f. Appliance Inlet (CN1) (Alternative)	Sun Fair Electric Wire & Cable (HK) Co Ltd	S-03	10A, 250Vac, Standard sheet C14, 70 degree C	AXUT2	UL E226643	
03g. Appliance Inlet (CN1) (Alternative)	DONGGUAN HUACONN ELECTRONICS CO LTD	HC-99	16A, 250Vac, Standard sheet C14, 120 degree C	AXUT2	UL E340249	
03h. Appliance Inlet (CN1) (Alternative)	DONGGUAN HUACONN ELECTRONICS CO LTD	HC-66	6A, 250Vac, Standard sheet C6, 105 degree C	AXUT2	UL E340249	
04.PCB	Interchangeable	Interchangeable	V-0, minimum 130 degree C.	ZPMV2	UL	
05. Current fuse (F1)	Interchangeable	Interchangeable	T3.15A, 250Vac	JDYX	UL	
05a. Current fuse (F1) (Alternative)	Shenzhen Lanson Electronics Co., Ltd.	3K Series	T3.15A, 250Vac	JDYX2	UL E221465	
06.Thermistor RT1(optional)	Interchangeable	Interchangeable	Min. 3.0 A, Min. 1.0Ω, at 25°C	XGPU2	UL	

07. Line filter (LF1) (optional)	Interchangeable	Interchangeable	Rated 130 degree C, see enclosure ID 4-05	--	--	04-05
07-1. Winding of line filter (LF1)	Interchangeable	Interchangeable	Rated 130 degree C	OBMW2	UL	
07-2. Core of line filter (LF1)	--	--	Overall dimensions, appr. OD: 10.0mm * ID: 6.0mm * HT: 4.0mm	--	--	
07-3. Triple insulation wire of line filter (LF1)	Interchangeable	Interchangeable	Rated 130 degree C	OBJT2	UL E206440	
08. Line filter (LF2) (optional)	Interchangeable	Interchangeable	Rated 130 degree C, see enclosure 4-06	--	--	04-06
08-1. Winding of line filter (LF2)	Interchangeable	Interchangeable	Rated 130 degree C	OBMW2	UL	
08-2. Core of line filter (LF2)	--	--	Overall dimensions, appr. OD: 16.0mm * ID: 12.0mm * HT: 8.0mm	--	--	
08-3. Insulation tape of line filter (LF2)	Interchangeable	Interchangeable	Rated 130 degree C	OANZ2	UL	
09. Bridge rectifier (BD1)	Interchangeable	Interchangeable	Min. 2.0A, Min. 600V	--	--	
10. Electrolytic capacitors (C6)	Interchangeable	Interchangeable	Rated min. 400V, 105 degree C. max. 200µF.	--	--	
11. Transistor (Q3)	Interchangeable	Interchangeable	Min. 7A , Min. 600V	--	--	
12. Current sense resistor (R1)	Interchangeable	Interchangeable	Min. 0.47ohm, min. 1/2W.	--	--	

13. Current sense resistor (R5) (Output power<36W not provided, ≥36W optional)	Interchangeable	Interchangeable	Min. 0.47ohm, min. 1/4W.	--	--	
14. Current sense resistor (R29) (Output power<36W not provided, ≥36W optional)	Interchangeable	Interchangeable	Min. 0.47ohm, min. 1/4W.	--	--	
15. Bleeder resistor (R2, R3, R37, R38)	Interchangeable	Interchangeable	Each rated max.1.8Mohm, min. 1/4W.	--	--	
16.X- capacitors (CX1)(Optional)	Shantou High- New Technology Development Zone Songtian Enterprise Co	MPX	Rated maximum 0.47µF, ±10%, minimum 250Vac, min.110 degree C, X2 type	FOWX2	UL E208107	
16a.X- capacitors (CX1)(Optional) (Alternate)	XIAMEN WANMING ELECTRONICS CO LTD	MPX	Rated maximum 0.47µF, ±10%, minimum 250Vac, min.110 degree C, X1 type	FOWX2	UL E221839	
16b.X- capacitors (CX1) (Optional) (Alternate)	DONGGUAN TOPCAP TECHNOLOGY CO LTD	MPX	Rated maximum 0.47µF, ±10%, minimum 250Vac, min.110 degree C, X2 type	FOWX2	UL E481127	
16c.X- capacitors (CX1) (Optional) (Alternate)	DONGGUAN CITY DAFU ELECTRONICS CO LTD	MPX	Rated maximum 0.47µF, ±10%, minimum 250Vac, min.110 degree C, X2 type	FOWX2	UL E465278	
16d.X- capacitors (CX1) (Optional) (Alternate)	Dongguan Easy- Gather Electronic Co Ltd	MKP-X2	Rated maximum 0.47µF, ±10%, minimum 250Vac, min.105 degree C, X2 type	FOWX2	UL E252221	

16e.X- capacitors (CX1)(Optional)	Carli Electronics Co.,Ltd	MPX	Rated maximum 0.47µF, ±10%, minimum 250Vac, min.100 degree C, X2 type	FOWX2	UL E120045	
16f.X- capacitors (CX1)(Optional) (Alternate)	XIANGTAI ELECTRONIC (SHENZHEN) CO LTD	MPX/MKP	Rated maximum 0.47µF, ±10%, minimum 250Vac, min.110 degree C, X1 type	FOWX2	UL E357475	
16g.X- capacitors (CX1) (Optional) (Alternate)	Tenta Electric Industrial Co Ltd	MEX	Rated maximum 0.47µF, ±10%, minimum 250Vac, min.110 degree C, X2 type	FOWX2	UL E222911	
16h.X- capacitors (CX1) (Optional) (Alternate)	Dain Electronics Co Ltd	MPX	Rated maximum 0.47µF, ±10%, minimum 250Vac, min.110 degree C, X2 type	FOWX2	UL E147776	
16i.X- capacitors (CX1) (Optional) (Alternate)	SHENZHEN HAOTIAN ELECTRONIC CO LTD	MPX	Rated maximum 0.47µF, ±10%, minimum 250Vac, min.105 degree C, X2 type	FOWX2	UL E326483	
17. Y-Capacitor (CY3, CY4) (Optional)	Shantou High-New Technology Development Zone Songtian Enterprise Co Ltd	CD (for Y1 type) CE (for Y2 type)	Each rated maximum 2200 pF, minimum 250 V, 125 degree C. Y1 or Y2 capacitor.	FOWX2	UL E208107	
17a. Y-Capacitor (CY3, CY4) (Optional) (Alternate)	GUANGDONG SOUTH HONGMING ELECTRONIC SCIENCE & TECHNOLOGY CO LTD	F	Each rated maximum 2200 pF, minimum 250 V, 125 degree C. Y1 or Y2 capacitor.	FOWX2	UL E154899	
17b. Y-Capacitor (CY3, CY4) (Optional) (Alternate)	Dongguan Cigu Electronic	CD (Y1); CE (Y2)	Each rated maximum 2200 pF, minimum 250 V, 125 degree C. Y1 or Y2 capacitor.	FOWX2	UL E481614	
17c. Y-Capacitor (CY3, CY4) (Optional) (Alternate)	DONGGUAN CITY DAFU ELECTRONICS CO LTD	CT7 Y1, CT7 Y2	Each rated maximum 2200 pF, minimum 250 V, 125 degree C. Y1 or Y2 capacitor.	FOWX2	UL E465278	

17d. Y-Capacitor (CY3, CY4) (Optional) (Alternate)	XIAMEN WANMING ELECTRONICS CO LTD	CK (for Y1 type) CM (for Y2 type)	Each rated maximum 2200 pF, minimum 250 V, 125 degree C. Y1 or Y2 capacitor.	FOWX2	UL E221839	
17e. Y-Capacitor (CY3, CY4) (Optional) (Alternate)	Dongguan Easy- Gather Electronic Co Ltd	DCF	Each rated maximum 2200 pF, minimum 250 V, 125 degree C. Y1 or Y2 capacitor.	FOWX2	UL E252221	
17f. Y-Capacitor (CY3, CY4) (Optional) (Alternate)	Jya-Nay Co Ltd	JN	Each rated maximum 2200 pF, minimum 250 V, 125 degree C. Y1 capacitor.	FOWX2	UL E201384	
17g. Y-Capacitor (CY3, CY4) (Optional) (Alternate)	XIANGTAI ELECTRONIC (SHENZHEN) CO LTD	YOF (Y1) ; YT (Y2)	Each rated maximum 2200 pF, minimum 250 V, 125 degree C. Y1 capacitor.	FOWX2	UL E319473	
17h. Y-Capacitor (CY3, CY4) (Optional) (Alternate)	Murata Mfg Co Ltd	KX	Each rated maximum 2200 pF, minimum 250 V, 125 degree C. Y1 capacitor.	FOWX2	UL E37921	
17i. Y-Capacitor (CY3, CY4) (Optional) (Alternate)	SHENZHEN HAOTIAN ELECTRONIC CO LTD	HT (Y1); HTC (Y2)	Each rated maximum 2200 pF, minimum 250 V, 125 degree C. Y1 or Y2 capacitor.	FOWX2	UL E326483	
18. Y-Capacitor (CY1, CY2) (Optional) (when CY1&CY2 in series use)	Shantou High-New Technology Development Zone Songtian Enterprise Co Ltd	CD (for Y1 type) CE (for Y2 type)	Each rated maximum 3300 pF, minimum 250 V, 125 degree C. Y1 or Y2 capacitor.	FOWX2	UL E208107	
18a. Y-Capacitor (CY1, CY2) (Optional) (when CY1&CY2 in series use) (Alternate)	GUANGDONG SOUTH HONGMING ELECTRONIC SCIENCE & TECHNOLOGY CO LTD	F	Each rated maximum 3300 pF, minimum 250 V, 125 degree C. Y1 or Y2 capacitor.	FOWX2	UL E154899	

18b. Y-Capacitor (CY1, CY2) (Optional) (when CY1&CY2 in series use) (Alternate)	Dongguan Cigu Electronic	CD (Y1); CE (Y2)	Each rated maximum 3300 pF, minimum 250 V, 125 degree C. Y1 or Y2 capacitor.	FOWX2	UL E481614	
18c. Y-Capacitor (CY1, CY2) (Optional) (when CY1&CY2 in series use) (Alternate)	DONGGUAN CITY DAFU ELECTRONICS CO LTD	CT7 Y1, CT7 Y2	Each rated maximum 3300 pF, minimum 250 V, 125 degree C. Y1 or Y2 capacitor.	FOWX	UL E465278	
18d. Y-Capacitor (CY1, CY2) (Optional) (when CY1&CY2 in series use) (Alternate)	XIAMEN WANMING ELECTRONICS CO LTD	CK (for Y1 type) CM (for Y2 type)	Each rated maximum 3300 pF, minimum 250 V, 125 degree C. Y1 or Y2 capacitor.	FOWX2	UL E221839	
18e. Y-Capacitor (CY1, CY2) (Optional) (when CY1&CY2 in series use) (Alternate)	Dongguan Easy- Gather Electronic Co Ltd	DCF	Each rated maximum 3300 pF, minimum 250 V, 125 degree C. Y1 or Y2 capacitor.	FOWX2	UL E252221	
18f. Y-Capacitor (CY1, CY2) (Optional) (when CY1&CY2 in series use) (Alternate)	Jya-Nay Co Ltd	JN	Each rated maximum 3300 pF, minimum 250 V, 125 degree C. Y1 capacitor.	FOWX2	UL E201384	
18g. Y-Capacitor (CY1, CY2) (Optional) (when CY1&CY2 in series use) (Alternate)	XIANGTAI ELECTRONIC (SHENZHEN) CO LTD	YOF (Y1) ; YT (Y2)	Each rated maximum 3300 pF, minimum 250 V, 125 degree C. Y1 or Y2 capacitor.	FOWX2	UL E319473	

18h. Y-Capacitor (CY1, CY2) (Optional) (when CY1&CY2 in series use) (Alternate)	Murata Mfg Co Ltd	KX	Each rated maximum 3300 pF, minimum 250 V, 125 degree C. Y1 capacitor.	FOWX2	UL E37921	
18i. Y-Capacitor (CY1, CY2) (Optional) (when CY1&CY2 in series use) (Alternate)	SHENZHEN HAOTIAN ELECTRONIC CO LTD	HT (Y1); HTC (Y2)	Each rated maximum 3300 pF, minimum 250 V, 125 degree C. Y1 or Y2 capacitor.	FOWX2	UL E326483	
19. Y-Capacitor (CY1) (Optional) (when CY2 not use)	Shantou High-New Technology Development Zone Songtian Enterprise Co Ltd	CD	Each rated maximum 2200 pF, minimum 250 V, 125 degree C. Y1 capacitor.	FOWX2	UL E208107	
19a. Y-Capacitor (CY1) (Optional) (when CY2 not use) (Alternate)	GUANGDONG SOUTH HONGMING ELECTRONIC SCIENCE & TECHNOLOGY CO LTD	F	Each rated maximum 2200 pF, minimum 250 V, 125 degree C. Y1 capacitor.	FOWX2	UL E154899	
19b. Y-Capacitor (CY1) (Optional) (when CY2 not use) (Alternate)	Dongguan Cigu Electronic	CD	Each rated maximum 2200 pF, minimum 250 V, 125 degree C. Y1 capacitor.	FOWX2	UL E481614	
19c. Y-Capacitor (CY1) (Optional) (when CY2 not use) (Alternate)	DONGGUAN CITY DAFU ELECTRONICS CO LTD	CT7 Y1	Each rated maximum 2200 pF, minimum 250 V, 125 degree C. Y1 capacitor.	FOWX2	UL E465278	
19d. Y-Capacitor (CY1) (Optional) (when CY2 not use) (Alternate)	XIAMEN WANMING ELECTRONICS CO LTD	CK	Each rated maximum 2200 pF, minimum 250 V, 125 degree C. Y1 capacitor.	FOWX2	UL E221839	
19e. Y-Capacitor (CY1) (Optional) (when CY2 not use) (Alternate)	Dongguan Easy- Gather Electronic Co Ltd	DCF	Each rated maximum 2200 pF, minimum 250 V, 125 degree C. Y1 capacitor.	FOWX2	UL E252221	

19f. Y-Capacitor (CY1) (Optional) (when CY2 not use) (Alternate)	Jya-Nay Co Ltd	JN	Each rated maximum 2200 pF, minimum 250 V, 125 degree C. Y1 capacitor.	FOWX2	UL E201384	
19g. Y-Capacitor (CY1) (Optional) (when CY2 not use) (Alternate)	XIANGTAI ELECTRONIC (SHENZHEN) CO LTD	YOF	Each rated maximum 2200 pF, minimum 250 V, 125 degree C. Y1 capacitor.	FOWX2	UL E319473	
19h. Y-Capacitor (CY1) (Optional) (when CY2 not use) (Alternate)	Murata Mfg Co Ltd	KX	Each rated maximum 2200 pF, minimum 250 V, 125 degree C. Y1 capacitor.	FOWX2	UL E37921	
19i. Y-Capacitor (CY1) (Optional) (when CY2 not use) (Alternate)	SHENZHEN HAOTIAN ELECTRONIC CO LTD	HT (Y1)	Each rated maximum 2200 pF, minimum 250 V, 125 degree C. Y1 capacitor.	FOWX2	UL E326483	
20.Varistor (RV1)(Optional)	Shantou High-New Technology Development Zone Songtian Enterprise Co Ltd	10D471K, 10D511K, 14D471K, 14D511K	Min. 300Vac, Min. 105 degree C, min. V-0 coating	VZCA2	UL E330837	
20a.Varistor (RV1)(Optional) (Alternate)	XIAMEN WANMING ELECTRONICS CO LTD	WMR10D471K-2, WMR10D471K-3, WMR10D511K-2, WMR10D511K-3, WMR14D471K-2, WMR14D471K-3, WMR14D511K-2, WMR14D511K-3	Min. 300Vac, Min. 105 degree C, min. V-0 coating	VZCA2	UL E333988	

20b.Varistor (RV1)(Optional) (Alternate)	Thinking Electronic Industriall Co Ltd	TVR14471, TVR14511, TVR14561, TVR14621, TVR10471, TVR10511, TVR10561, TVR10621	Min. 300Vac, Min. 105 degree C, min. V-0 coating	VZCA2	UL E314979	
20c.Varistor (RV1)(Optional) (Alternate)	Lien Shun Technical Co Ltd	10D471K, 10D511K, 14D471K, 14D511K	Min. 300Vac, Min. 105 degree C, min. V-0 coating	VZCA2	UL E315524	
20d.Varistor (RV1)(Optional) (Alternate)	Success Electronics Co Ltd	SVR14D471K, SVR14D511K, SVR10D471K, SVR10D511K	Min. 300Vac, Min. 105 degree C, min. V-0 coating	VZCA2	UL E330256	
20d.Varistor (RV1)(Optional) (Alternate)	Centra Science Corp	CNR-14D471K, CNR-10D471K, CNR-10V471K, CNR-10V511K, CNR-10V561K, CNR-14V471K, CNR-14V511K, CNR-14V561K	Min. 300Vac, Min. 105 degree C, min. V-0 coating	VZCA2	Ul E316325	
21. Optical isolator (OP1)	Everlight Electronics Co Ltd	EL1018, EL1019	Providing 5000Vac isolation, minimum 110 degree C.	FPQU2	UL E214129	
21a. Optical isolator (OP1)	CHINA RESOURCES SEMICONDUCTOR(SHENZHEN)LIMITED	1018, 1019, HK1018, HK1019	Providing 5000Vac isolation, minimum 110 degree C.	FPQU2	UL E465130	
21b. Optical isolator (OP1)	CT MICROELECTRONICS FAR EAST LTD	CT1018, CT1019	Providing 5000Vac isolation, minimum 110 degree C.	FPQU2	UL E364000	

22. Optical isolator (OP2) (Optional)	Everlight Electronics Co Ltd	EL1018, EL1019	Providing 5000Vac isolation, minimum 110 degree C.	FPQU2	UL E214129	
22a. Optical isolator (OP2) (Optional)	CHINA RESOURCES SEMICONDUCTOR(SHENZHEN)LIMITED	1018, 1019, HK1018, HK1019	Providing 5000Vac isolation, minimum 110 degree C.	FPQU2	UL E465130	
22b. Optical isolator (OP2) (Optional)	CT MICROELECTRONICS FAR EAST LTD	CT1018, CT1019	Providing 5000Vac isolation, minimum 110 degree C.	FPQU2	UL E364000	
23. Transformer (T2)	Shenzhen Fujia Appliance Co., Ltd.	2017-T1 (for output voltage 5.0-9.0V) 2017-T2 (for output voltage 9.5-19.5V) 2017-T3 (for output voltage 20.0-33.0V) 2017-T4 (for output voltage 36.0-54.0V)	Class B. See 4-01, , 4-02, 4-03 and 4-04 for construction details.	--	--	
23-1. Transformer (T2) insulation system	Shenzhen Fujia Appliance Co Ltd	FJT-1	Class 130(B)	OBJY2	UL E341644	
23-2. Transformer - Bobbin	Sumitomo Bakelite Co. Ltd	PM-9820, PM-9630	Phenolic, V-0, 150 degree C, minimum thickness 0.90mm	QMFZ2	UL E41429	
23-2a. Transformer - Bobbin	Chang Chun Plastics Co Ltd	4130(100%Virgin) (a)(b)	PBT, V-0, 140 degree C Min. thickness 0.90 mm	QMFZ2	UL E59481	
23-3. Transformer - Insulation Tape	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	1350F-1(b), 1350F-2(c)	Rated 130 degree C.	OANZ2	UL E17385	
23-3a Transformer - Insulation Tape (Alternate)	Jingjiang Yahua Pressure Sensitive Glue Co Ltd	CT* (c)(g), PZ*(b)	Rated 130 degree C.	OANZ2	UL E165111	

23-3b Transformer - Insulation Tape (Alternate)	P Leo & Co (B C) Ltd	1P801, 1P802	Rated 130 degree C.	OANZ2	UL E126174	
23-4 Transformer - Core	--	--	Ferrite, With min. 2 layers of insulation tape wrapped around core body. Ferrite, Overall dimensions, appr. 20.7mm*27.5mm*18.9mm	--	--	
23-5. Transformer Winding	Interchangeable	Interchangeable	MW 28, MW 75, MW 79, MW 80, MW 82, MW 83, 130 degree C	OBMW2	UL	
23-6. Transformer - Triple insulation wire	Furukawa Electric Co Ltd	TEX-E	Rated 130 degree C	OBJT2	UL E206440	
23-7 Transformer – Varnish	Hitachi Chemical Co	WP-2952F-2G	Rated 130 degree C.	OBOR2	UL E72979	
23-7a. Transformer – Varnish (Alternate)	ELANTAS ELECTRICAL INSULATION ELANTAS PDG INC	468-2 (d)	Rated 130 degree C.	OBOR2	UL E75225	
23-8. Transformer – Tube	Great Holding Industrial Co Ltd	TFL, TFS, TFT	Rated 200 degree C	YDPU2	UL E156256	
23-8a. Transformer – Tube	Zeus Industrial Products Inc	TFE-LW-150, TFE-TW-300, TFE-SW-600	Rated 200 degree C	YDPU2	UL E64007	
24. Output wire	Interchangeable	Interchangeable	Rated VW-1 or FT-1, minimum 24AWG, minimum 300V, minimum 80 degree C. maximum 3.05m length. Ends of output cord fixed to PWB by soldering and glue.	AVLV2	UL	

25. Earthing wire	Interchangeable	Interchangeable	Rated VW-1 or FT-1, minimum 18AWG, minimum 300V, minimum 105 degree C. Fixed to PWB by soldering and glue.	AVLV2	UL	
26. Heat shrinkable tube used on F1, LF2	Interchangeable	Interchangeable	VW-1, minimum 600V, 125°C	YDPU2	--	
26. Insulation barrier on transformer	E I DUPONT DE NEMOURS & CO INC	FR530(l)(+)(f1), FR530L(l)(+)(f1)	V-0, 155 degree C. min. thickness 0.4mm. See enclosure ID 4-01 to 4-04 for detail dimensions	QMFZ2	UL E41938	
28. Strain Relief	Interchangeable	Interchangeable	V-1 minimum. See enclosure 7-05 for details.	QMFZ2	UL	07-05
29. Glue	Interchangeable	Interchangeable	V-2 minimum or HF-2 minimum	QMFZ2	UL	
30. Heat-sink HS1, HS2	--	--	Aluminum, secured and soldered to PWB. See 7-03, 7-04 for dimension details.	--	--	
29. LED cover in enclosure	Interchangeable	Interchangeable	V-1 minimum.	QMFZ2	UL	

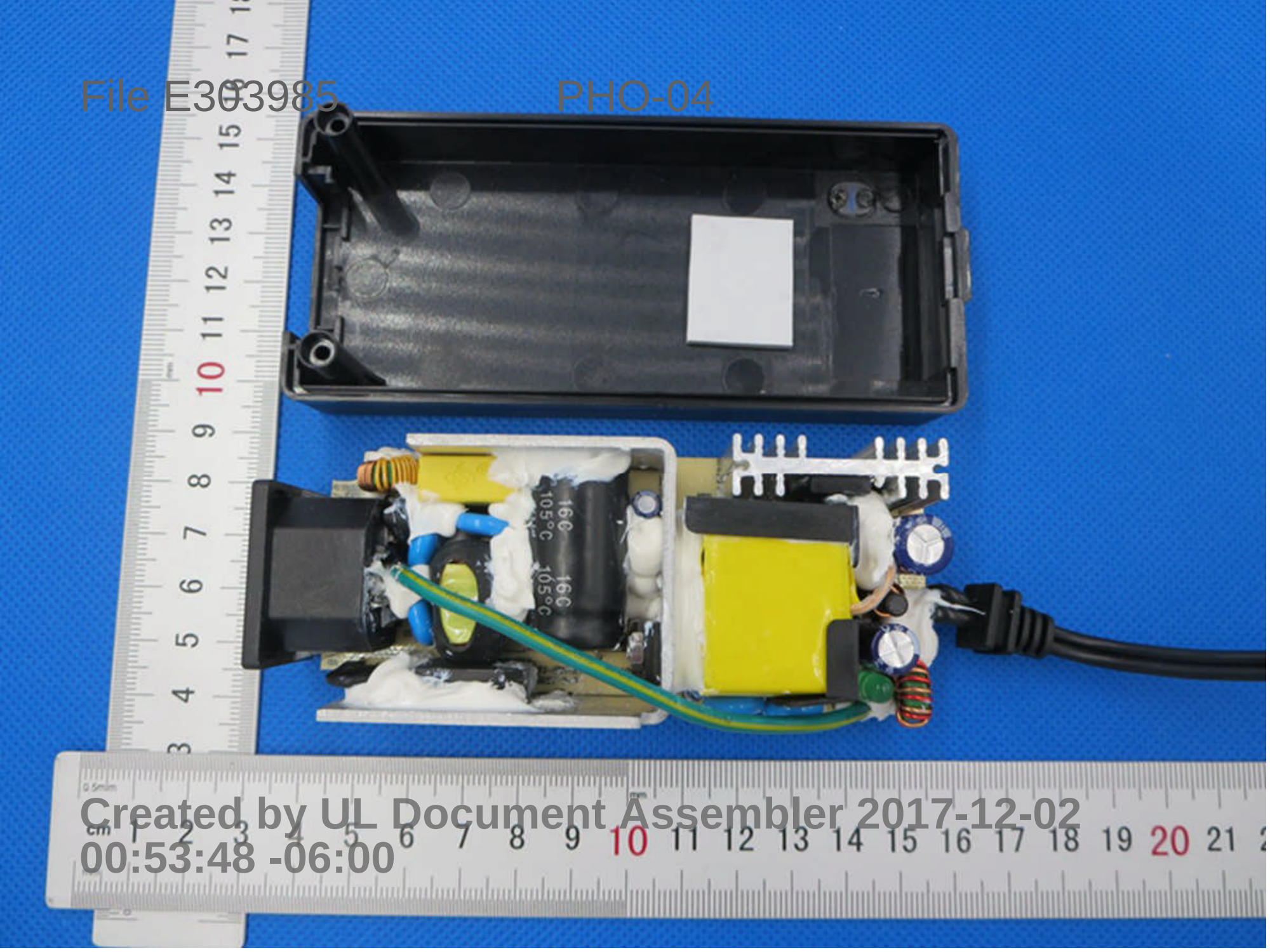
Enclosures

Type	Supplement Id	Description
Diagrams	04-01	Transformer Spec.: 2017-T1
Diagrams	04-02	Transformer Spec.: 2017-T2
Diagrams	04-03	Transformer Spec.: 2017-T3
Diagrams	04-04	Transformer Spec.: 2017-T4
Diagrams	04-05	LF1 Spec.
Diagrams	04-06	LF2 Spec.
Diagrams	04-07	PWB
Miscellaneous	07-02	Enclosure Dimension (Unit: mm)
Miscellaneous	07-03	Specification of heat sink HS1
Miscellaneous	07-04	Specification of heat sink HS2
Miscellaneous	07-05	Specification of SR
Photographs	03-01	Overall view 1
Photographs	03-02	Overall view 2-1
Photographs	03-03	Overall view 2-2
Photographs	03-04	Internal view 1
Photographs	03-05	Internal view 2
Photographs	03-06	Top view of PWB
Photographs	03-07	Bottom view of PWB
Photographs	03-08	Overall view 1 of transformer
Photographs	03-09	Overall view 2 of transformer
Photographs	03-10	Overall view 3 of transformer
Photographs	03-11	Overall view 4 of transformer
Photographs	03-12	View 1 of Insulation barrier on transformer
Photographs	03-13	View 2 of Insulation barrier on transformer


File E303985
PHO-01
AIRAJ
Created by UL Document Assembler 2017-12-02
00:53:48 -06:00


File E303985
PHO-02
AIRAJ
Created by UL Document Assembler 2017-12-02
00:53:48 -06:00


File E303985 PHO-03
Created by UL Document Assembler 2017-12-02 00:53:48 -06:00



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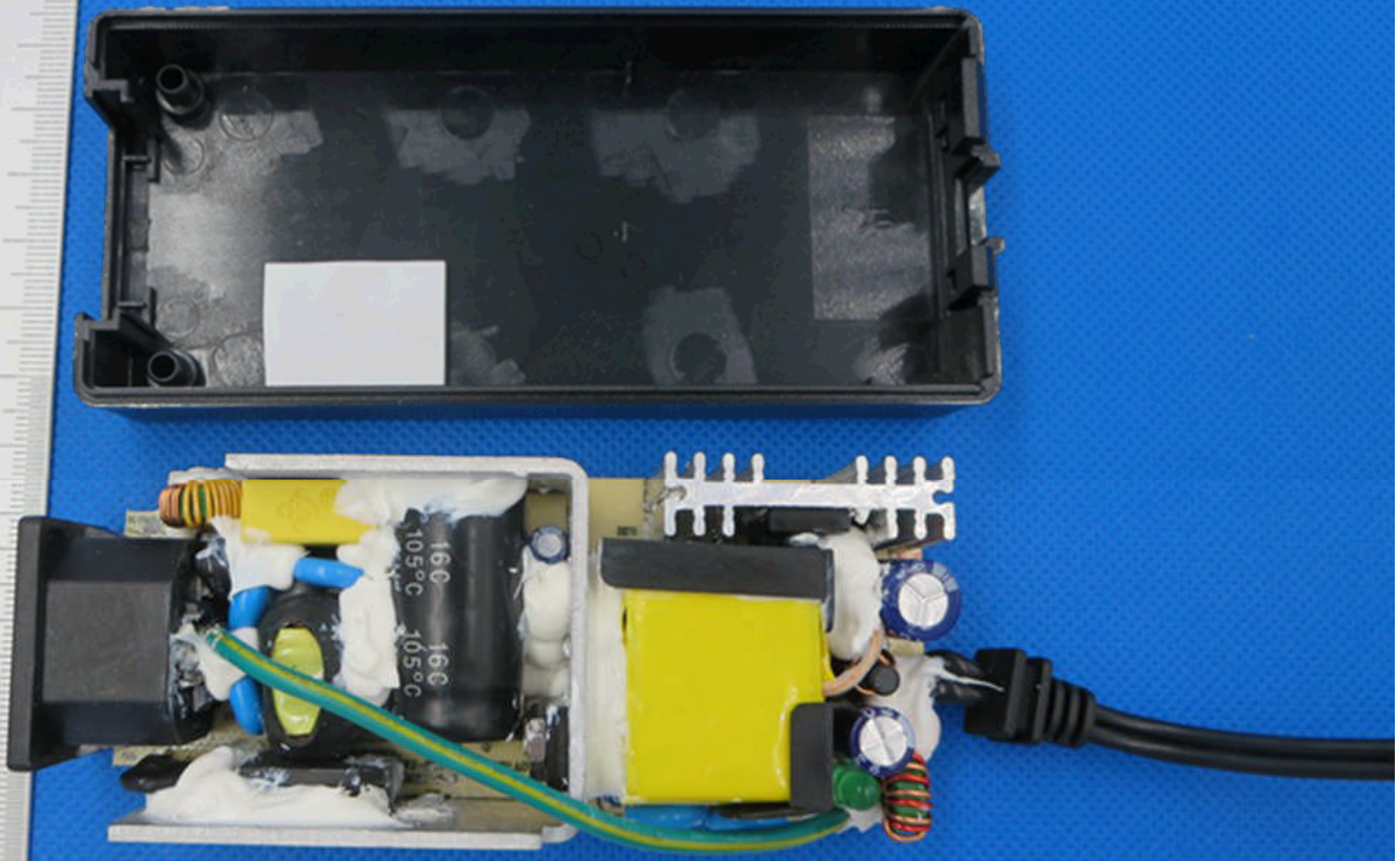

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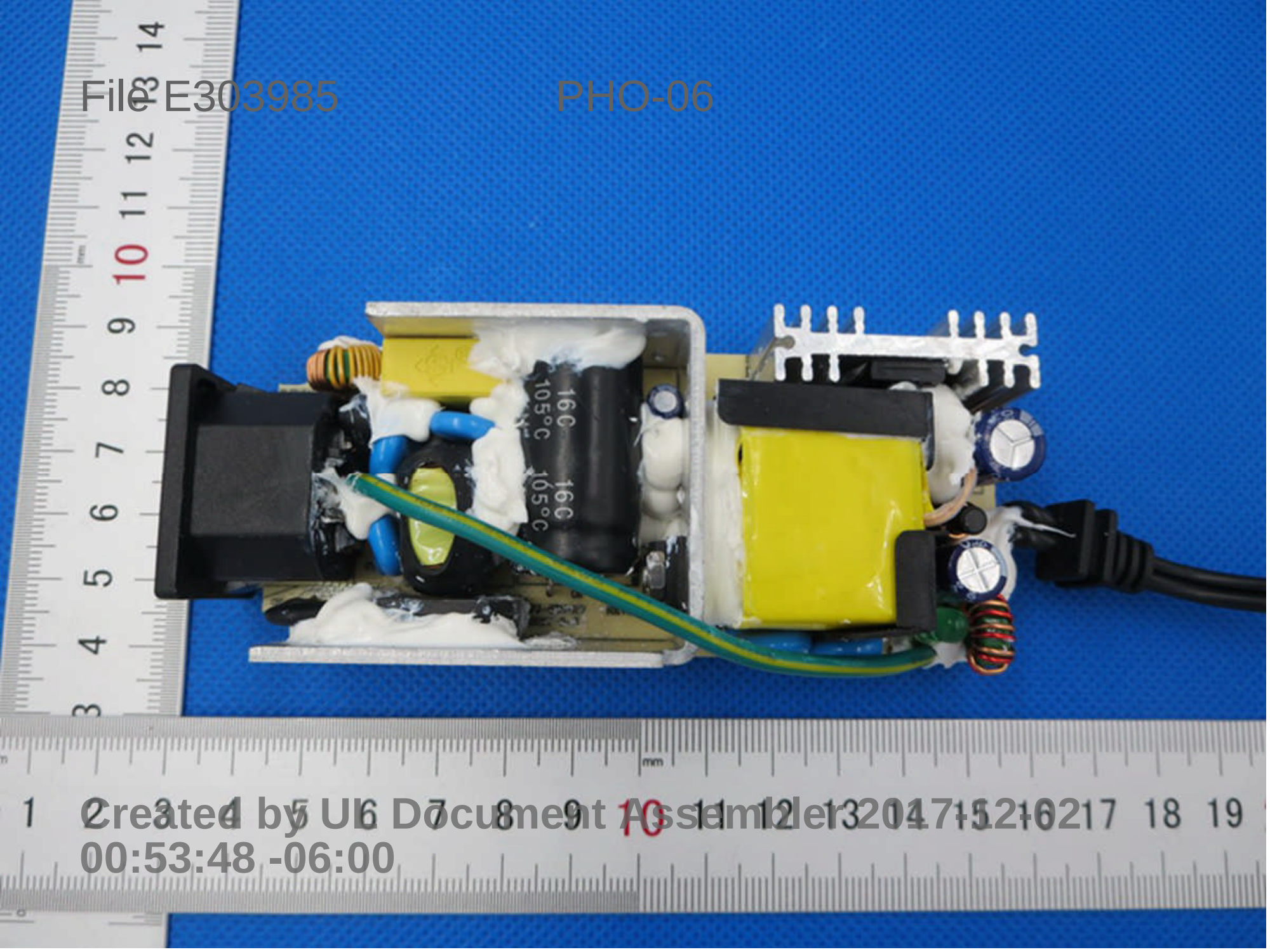
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16C
105°C
16C
105°C
Created by UL Document Assembler 2017-12-16
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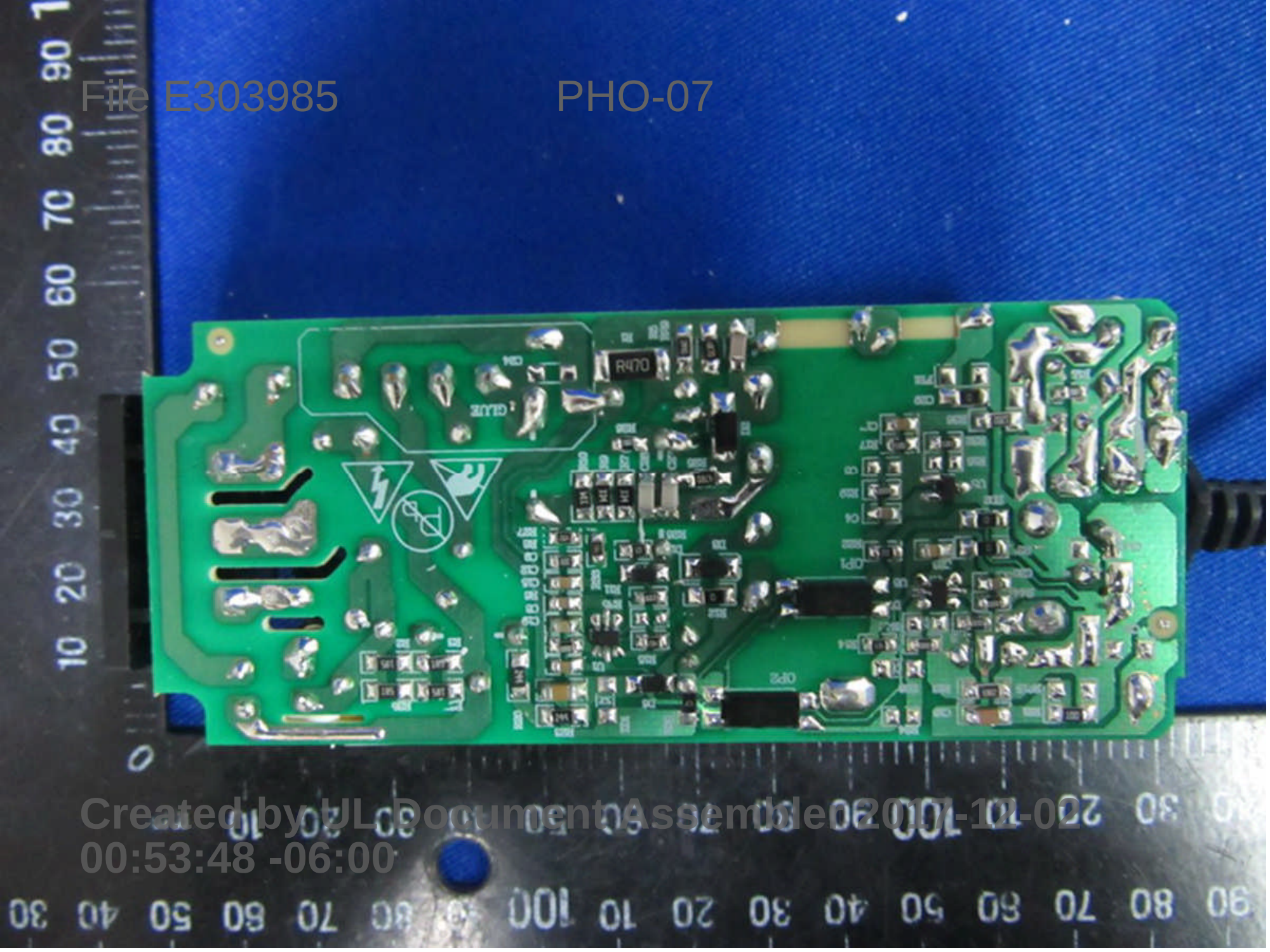
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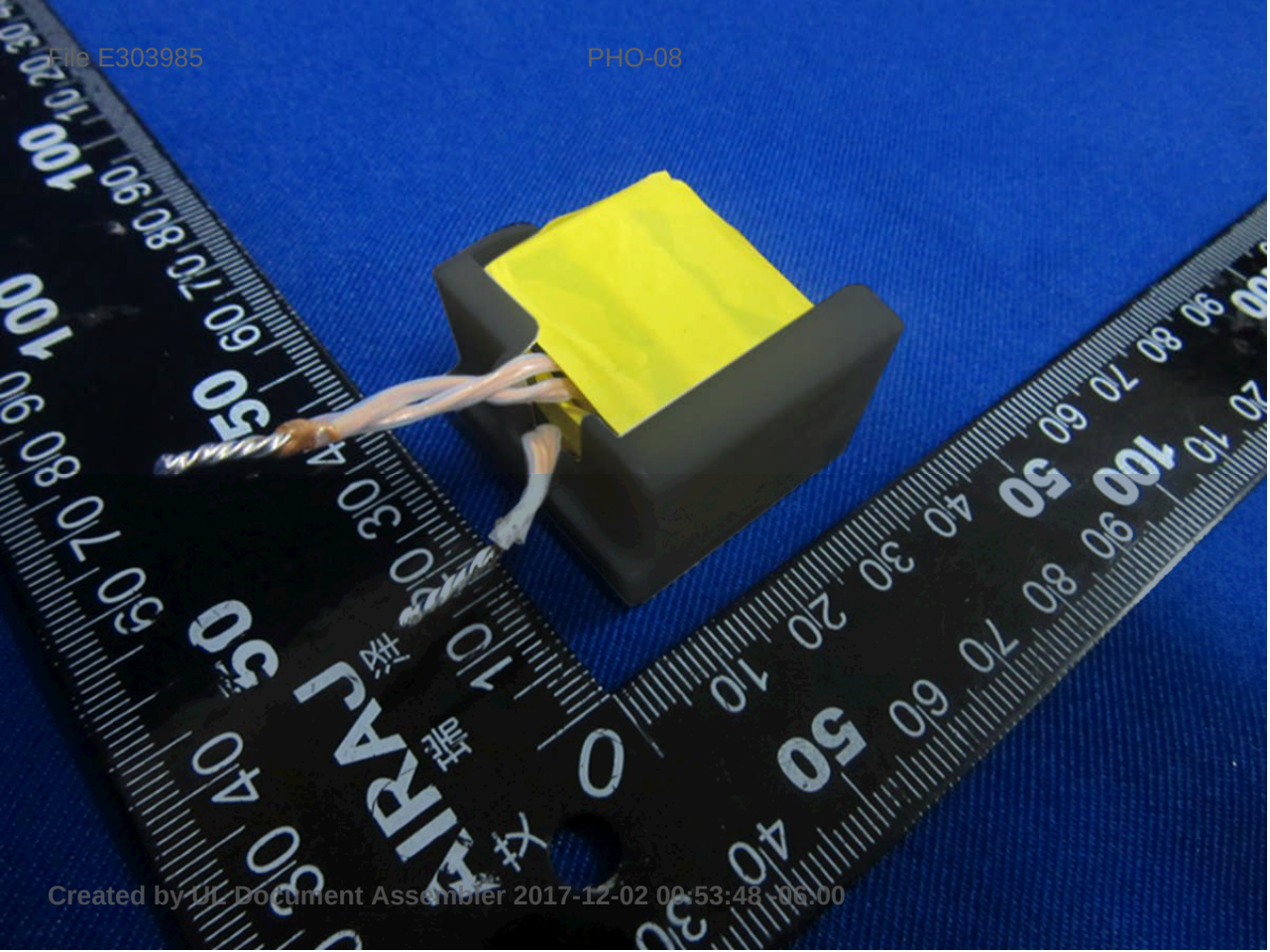

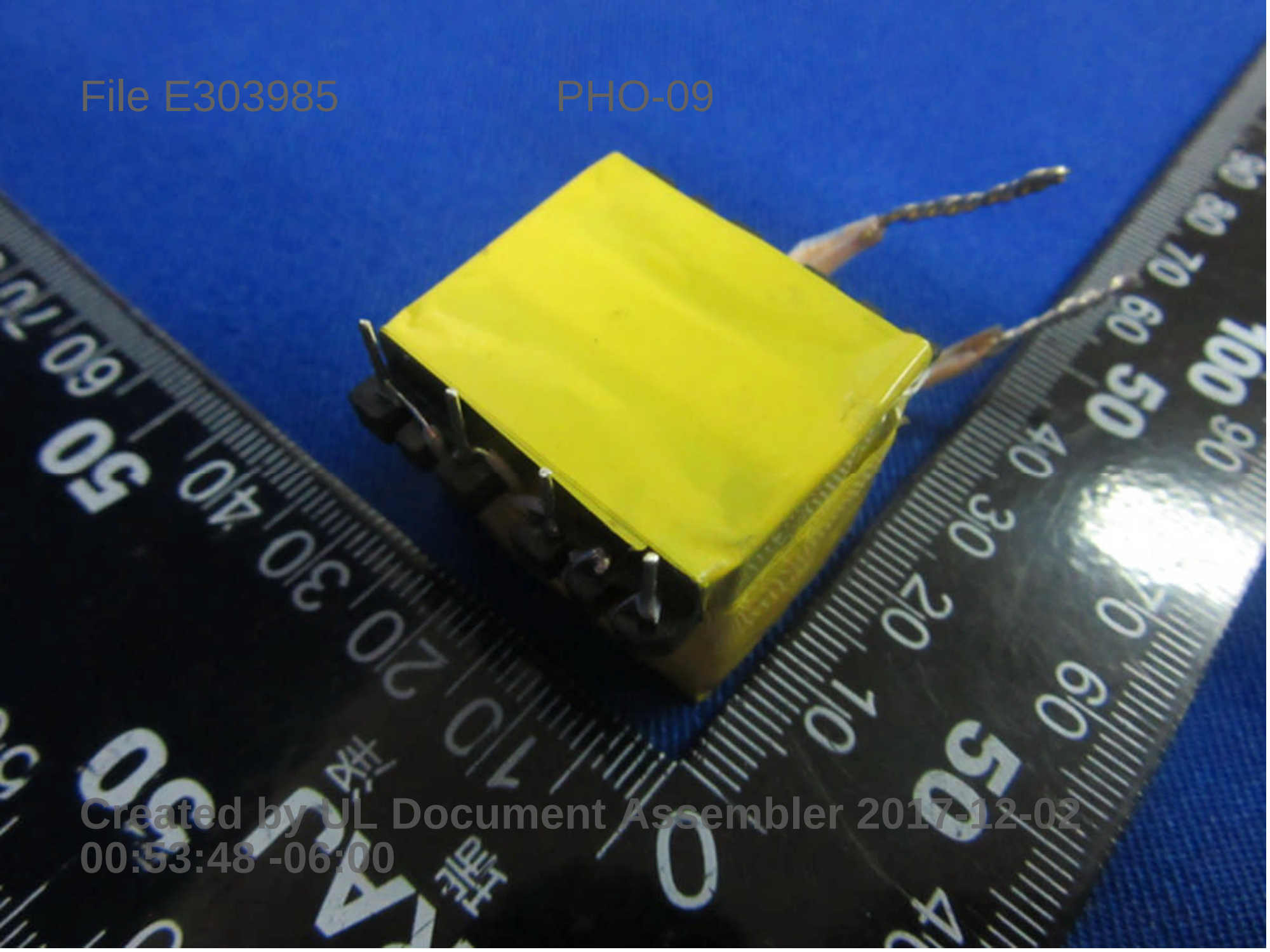
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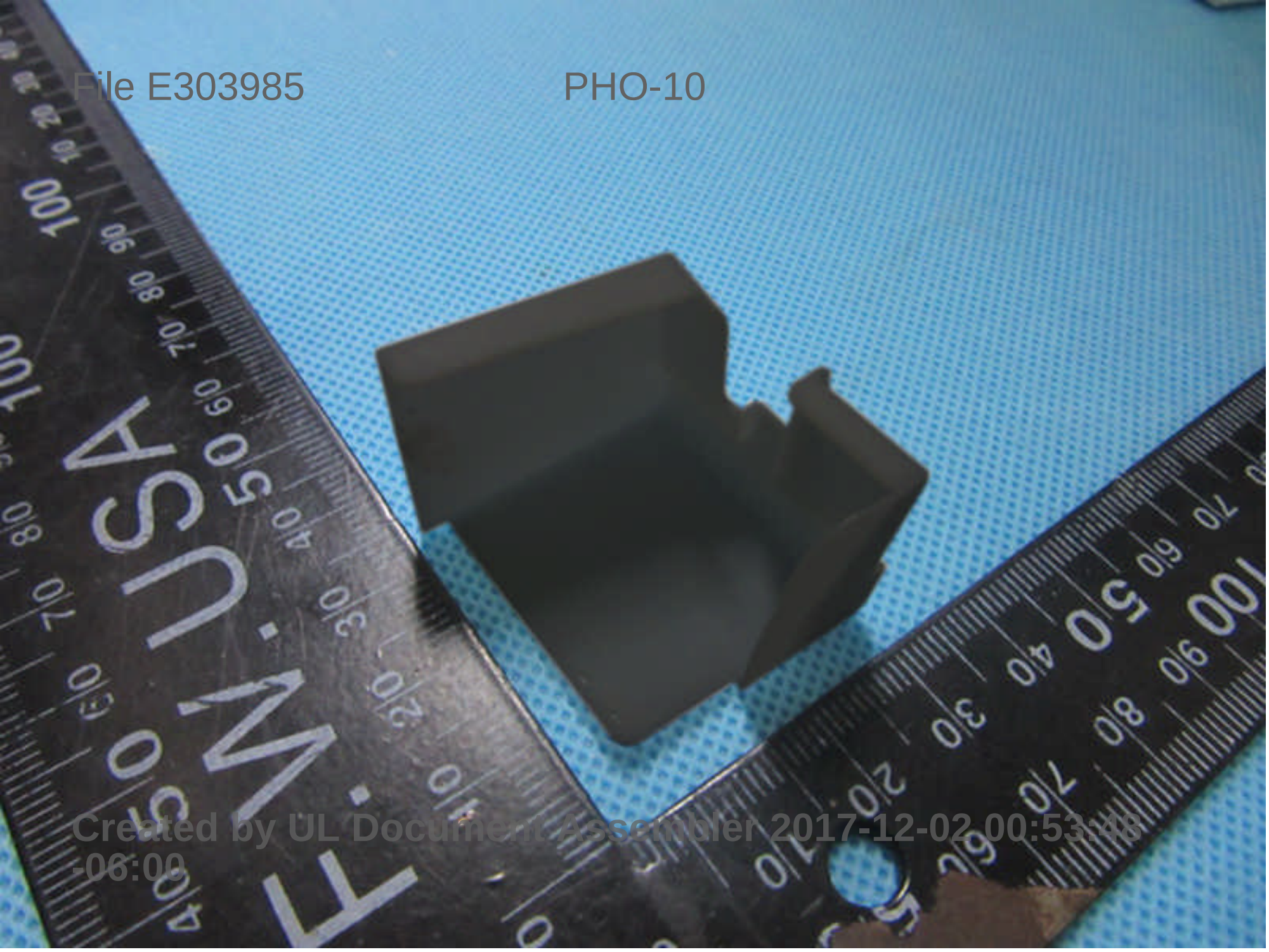
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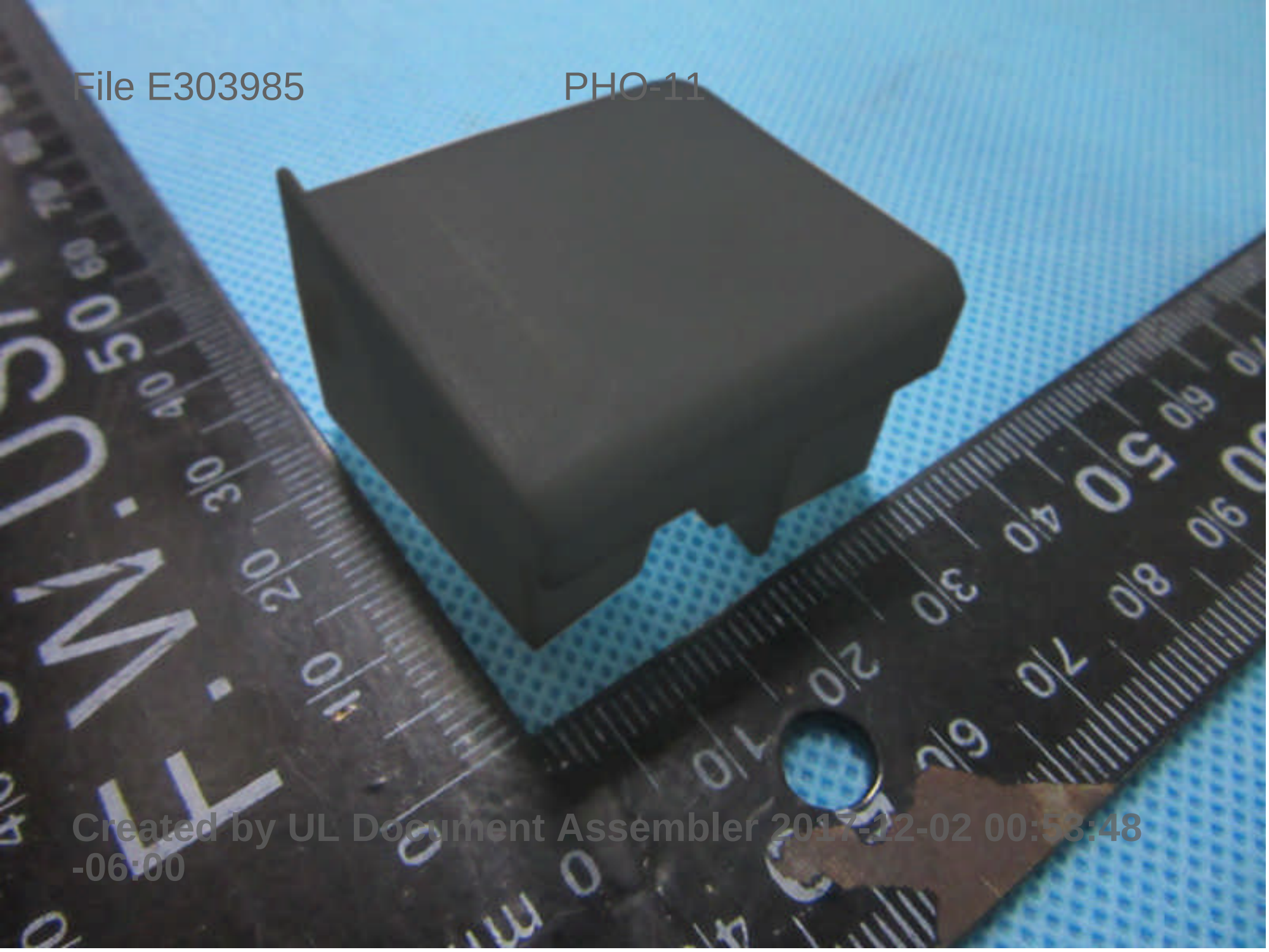
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Created by UL Document Assembler 2017-12-02 00:53:48
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FJ-SW2017-65W

1.电气特性：

1.1 电感量:PIN6-4 430uH±5%;测试条件:100KHz 1V

1.2 漏感量:PIN6-4 20uH Max

测试条件:100KHz 1V； PIN A,B短路.

1.3 高压测试：

1.3.1 初级-次级 4200VAC 1mA 5S

1.3.2 初级-磁芯 1500VAC 2mA 3S

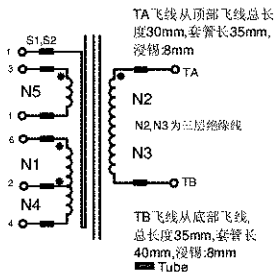
1.3.3 次级-磁芯 1500VAC 2mA 3S

1.4 绝缘电阻:100Mohm MIN;测试条件： 500VDC

2.绕线结构

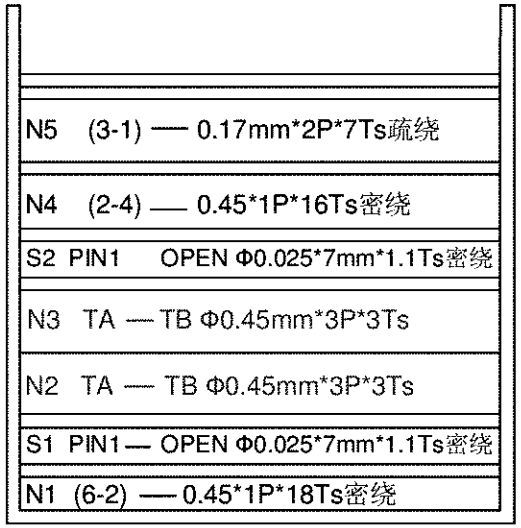
序号	标记	初级边挡墙	绕线说明					次级边挡墙	胶带	备注
			进线引脚	出线引脚	线径 （m/m）	匝数	绕法			
1	N1	0mm	6	2	0.45*1P	18TS	密绕	0mm	2TS	层间用1Ts胶带绝缘
2	S1	0mm	1	OPEN	0.025*7MM	1.1TS	密绕	0mm	2TS	
3	N2	0mm	TA 顶部飞线	TB 底部飞线	TIW 0.45*3P	3TS	密绕	0mm	1TS	
4	N3	0mm	TA 顶部飞线	TB 底部飞线	TIW 0.45*3P	3TS	密绕	0mm	2TS	
5	S2	0mm	1	OPEN	0.025*7MM	1.1TS	密绕	0mm	2TS	
6	N4	0mm	2	4	0.45*1P	16TS	密绕	0mm	2TS	
7	N5	0mm	3	1	0.17*2P	7TS	居中	0mm	3TS	
8										

3.原理图



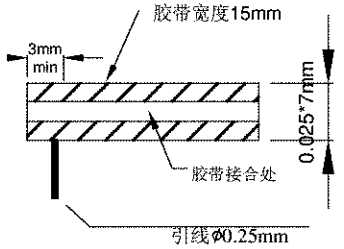
1. 使用PQ2620: CORE: 44材料
2. 使用PQ2620: 6+6PIN立式骨架排距25.4mm
3. 线层与层之间用9.5mm宽亚华胶布2Ts
4. 装好磁芯用6mm宽胶带2.5Ts固定磁芯，再沿线包方向包0.025*7.0mm宽背胶铜箔，铜箔短接后用Φ0.2mm线接至Pin1.
5. 沿磁芯用20mm宽胶带包2Ts.
6. 用13mm宽胶带沿线包，包2Ts.
7. 剪掉5,7-12脚,绕制完成去掉2脚。
8. 浸好漆后,套好变压器护套并整型!

4. 绕线剖面示意图



PQ2620(6+6)脚距25.4mm

5. S工艺图



未注公差		深圳福佳电器有限公司	
线性公差 L: 0<L≤10 ±0.10; 10<L≤30 ±0.15; 30<L≤100 ±0.20; 100<L ±0.30	角度 ±0.3°	元件名称	PQ2620变压器T1 / 图号
		适用机型	FJ-SW2017 / 制作
		物料编码	/ 核对
单位：mm	比例:	工艺处理	真空含浸 / 批准
数量:	版本: A0	模号:	SIZE: A4
PAGE 2 OF 3		日期	2017.03.06

6.标签

6.1 标签纸可用透明印刷，打印或是激光打印均可，
但应保证字体清晰可见，且标贴纸的粘性良好，能耐130° C不易脱落.

6.2 标签内容应包括以下内容：

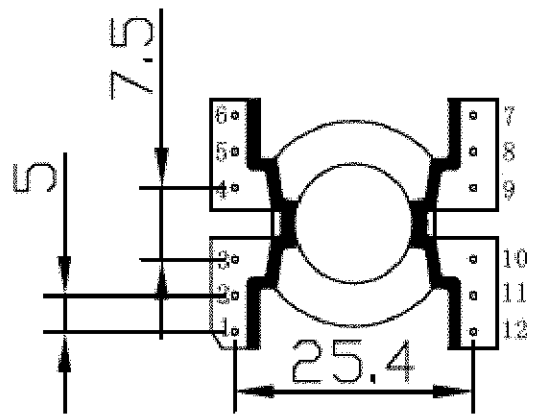
产品编号:

UL E341644
FJT-1 2017-T1
XX/YY/ZZ

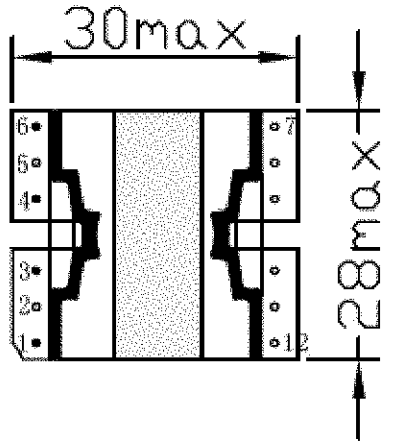
生产厂代号/年份/周期：

FJ-SW2017-65W

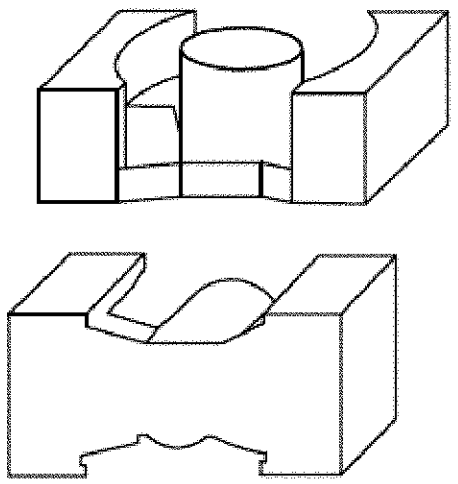
8. 结构图



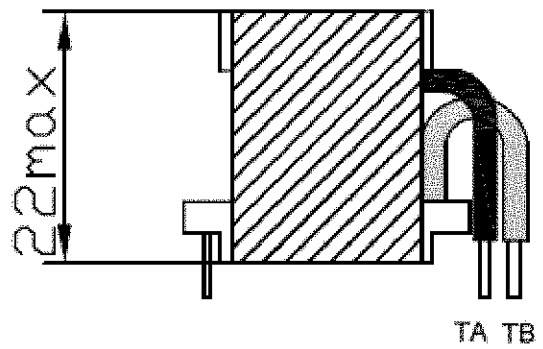
脚位尺寸图



底视图



TA（30mm、浸锡8mm)

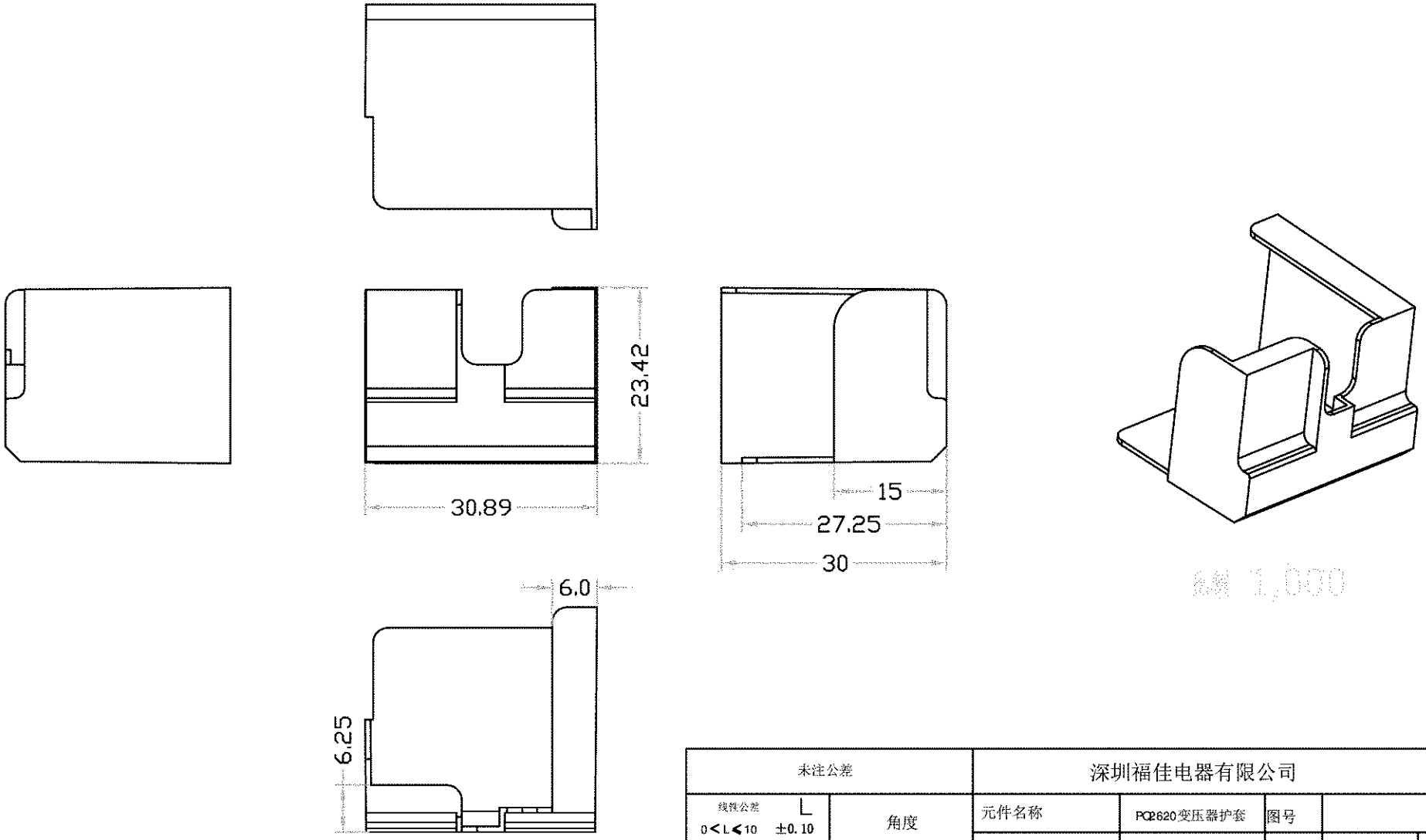


TB（35mm、浸锡8mm)

侧视图

注：1. 以上未注单位均为mm
2. 短脚作业，请注意引脚尺寸.

未注公差		深圳福佳电器有限公司				
线性公差 L 0<L≤10 ±0.10 10<L≤30 ±0.15 30<L≤100 ±0.20 100<L ±0.30	角度 ±0.3°	元件名称	PQ2620变压器T1	图号		
		适用机型	FJ-SW2017	制作		
		物料编码		核对		
单位：mm	比例：	工艺处理	真空含浸	批准		
数量：	版本:A0	模号：				SIZE:A4
PAGE 3 OF 3		日期	2017.03.06			



未注公差		深圳福佳电器有限公司			
线性公差 L 0<L≤10 ±0.10 10<L≤30 ±0.15 30<L≤100 ±0.20 100<L ±0.30	角度 ±0.3°	元件名称	PQ2620变压器护套	图号	
		适用机型	FJ-SW2017	制作	
		物料编码		核对	
单位：mm	比例:	工艺处理	真空含浸	批准	
数量:	版本: A0	模号:		SIZE: A4	
PAGE 3 OF 3		日期	2017.03.06		

FJ-SW2017-65W

1.电气特性：

1.1 电感量:PIN6-4 430uH±5%;测试条件:100KHz 1V

1.2 漏感量:PIN6-4 20uH Max

测试条件:100KHz 1V； PIN A,B短路.

1.3 高压测试：

1.3.1 初级-次级 4200VAC 1mA 5S

1.3.2 初级-磁芯 1500VAC 2mA 3S

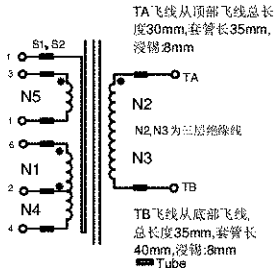
1.3.3 次级-磁芯 1500VAC 2mA 3S

1.4 绝缘电阻:100Mohm MIN;测试条件： 500VDC

2.绕线结构

序号	标记	初级边挡墙	绕线说明					次级边挡墙	胶带	备注
			进线引脚	出线引脚	线径 （m/m）	匝数	绕法			
1	N1	0mm	6	2	0.45*1P	18TS	密绕	0mm	2TS	层间用1Ts胶带绝缘
2	S1	0mm	1	OPEN	0.025*7MM	1.1TS	密绕	0mm	2TS	
3	N2	0mm	TA 顶部飞线	TB 底部飞线	TIW 0.45*2P	6TS	密绕	0mm	1TS	
4	N3	0mm	TA 顶部飞线	TB 底部飞线	TIW 0.45*2P	6TS	密绕	0mm	2TS	
5	S2	0mm	1	OPEN	0.025*7MM	1.1TS	密绕	0mm	2TS	
6	N4	0mm	2	4	0.45*1P	16TS	密绕	0mm	2TS	
7	N5	0mm	3	1	0.17*2P	7TS	居中	0mm	3TS	
8										

3.原理图

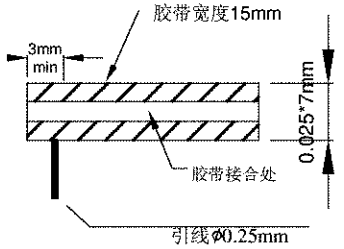


1. 使用PQ2620: CORE: 44材料
2. 使用PQ2620: 6+6PIN立式骨架排距25.4mm
3. 线层与层之间用9.5mm宽亚华胶布2Ts
4. 装好磁芯用6mm宽胶带2.5Ts固定磁芯，再沿线包方向包0.025*7.0mm宽背胶铜箔，铜箔短接后用φ0.2mm线接至Pin1.
5. 沿磁芯用20mm宽胶带包2Ts.
6. 用13mm宽胶带沿线包，包2Ts.
7. 剪掉5, 7-12脚, 绕制完成去掉2脚。
8. 浸好漆后, 套好变压器护套并整型!

4. 绕线剖面示意图

PQ2620(6+6)脚距25.4mm

5. S工艺图



未注公差		深圳福佳电器有限公司				
线性公差 L 0<L≤10 ±0.10 10<L≤30 ±0.15 30<L≤100 ±0.20 100<L ±0.30	角度 ±0.3°	元件名称	PQ2620变压器T2	图号		
		适用机型	FJ-SW2017	制作		
		物料编码		核对		
单位：mm	比例:	工艺处理	真空含浸	批准		
数量:	版本: A0	模号:				SIZE: A4
PAGE 2 OF 3		日期	2017.03.06			

6.标签

6.1 标签纸可用透明印刷，打印或是激光打印均可，
但应保证字体清晰可见，且标贴纸的粘性良好，能耐130° C不易脱落.

6.2 标签内容应包括以下内容：

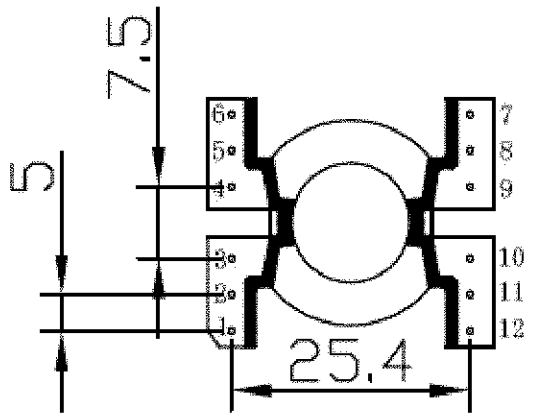
产品编号：

UL E341644
FJT-1 2017-T2
XX/YY/ZZ

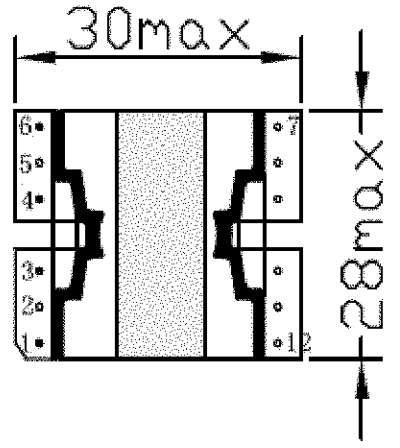
生产厂代号/年份/周期：

FJ-SW2017-65W

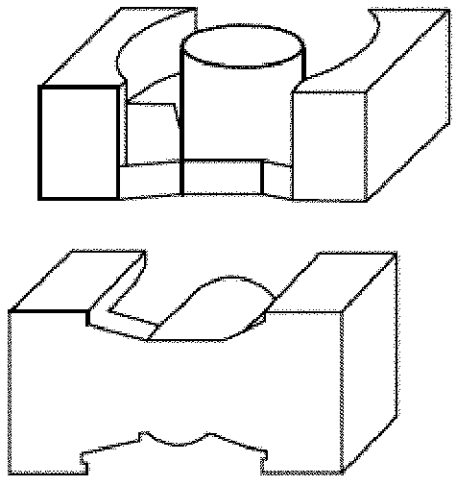
8. 结构图



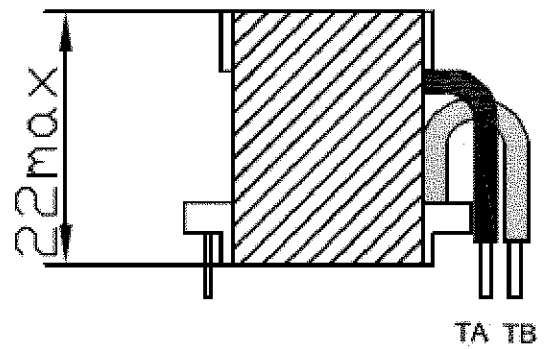
脚位尺寸图



底视图



TA TB



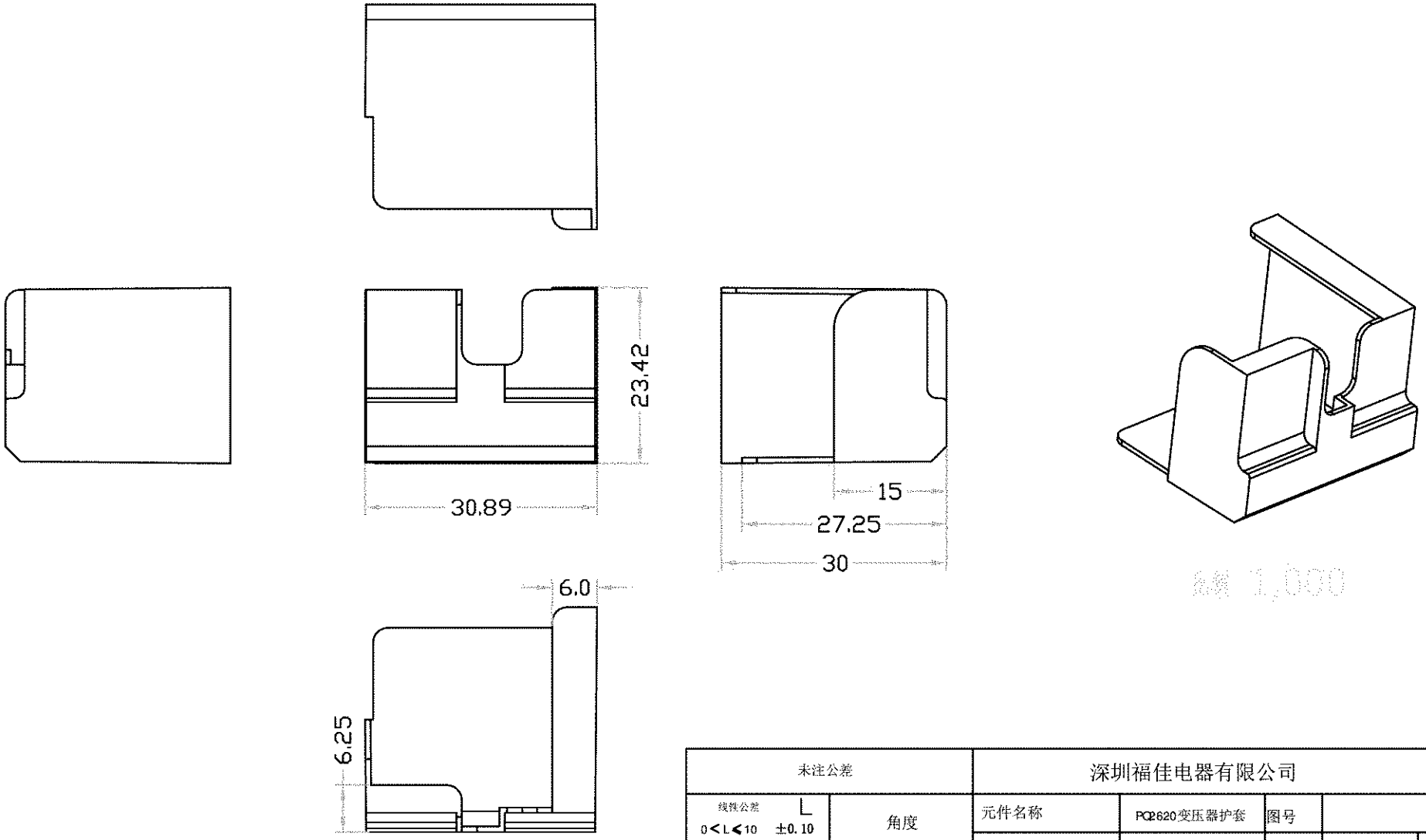
TA（30mm、浸锡8mm)

TB（35mm、浸锡8mm)

侧视图

注：1. 以上未注单位均为mm
2. 短脚作业，请注意引脚尺寸.

未注公差			深圳福佳电器有限公司				
线性公差 L 0<L≤10 ±0.10 10<L≤30 ±0.15 30<L≤100 ±0.20 100<L ±0.30	角度 ±0.3°		元件名称	PQ2620变压器T2	图号		
			适用机型	FJ-SW2017	制作		
			物料编码		核对		
单位：mm	比例：		工艺处理	真空含浸	批准		
数量：	版本:A0		模号：				SIZE:A4
PAGE 3 OF 3			日期	2017.03.06			



未注公差		深圳福佳电器有限公司			
线性公差 L 0<L≤10 ±0.10 10<L≤30 ±0.15 30<L≤100 ±0.20 100<L ±0.30	角度 ±0.3°	元件名称	PQ2620变压器护套	图号	
		适用机型	FJ-SW2017	制作	
		物料编码		核对	
单位：mm	比例:	工艺处理	真空含浸	批准	
数量:	版本: A0	模号:		SIZE: A4	
PAGE 3 OF 3		日期	2017.03.06		

DIA-02

File E303985

1.电气特性：

1.1 电感量:PIN6-4 430uH±5%;测试条件:100KHz 1V

1.2 漏感量:PIN6-4 20uH Max

测试条件:100KHz 1V； PIN A,B短路.

1.3 高压测试：

1.3.1 初级-次级 4200VAC 1mA 5S

1.3.2 初级-磁芯 1500VAC 2mA 3S

1.3.3 次级-磁芯 1500VAC 2mA 3S

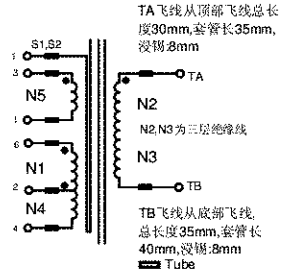
1.4 绝缘电阻:100Mohm MIN;测试条件： 500VDC

FJ-SW2017-65W

2.绕线结构

序号	标记	初级边挡墙	绕线说明					次级边挡墙	胶带	备注
			进线引脚	出线引脚	线径 （m/m）	匝数	绕法			
1	N1	0mm	6	2	0.45*1P	18TS	密绕	0mm	2TS	层间用1Ts胶带绝缘
2	S1	0mm	1	OPEN	0.025*7MM	1.1TS	密绕	0mm	2TS	
3	N2	0mm	TA 顶部飞线	TB 底部飞线	TIW 0.5*1P	10TS	密绕	0mm	1TS	
4	N3	0mm	TA 顶部飞线	TB 底部飞线	TIW 0.5*1P	10TS	密绕	0mm	2TS	
5	S2	0mm	1	OPEN	0.025*7MM	1.1TS	密绕	0mm	2TS	
6	N4	0mm	2	4	0.45*1P	16TS	密绕	0mm	2TS	
7	N5	0mm	3	1	0.17*2P	7TS	居中	0mm	3TS	
8										

3.原理图

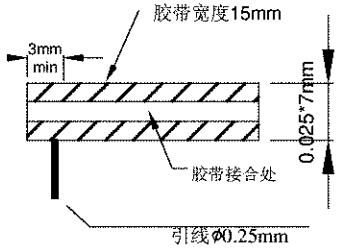


1. 使用PQ2620: CORE: 44材料
2. 使用PQ2620: 6+6PIN立式骨架排距25.4mm
3. 线层与层之间用9.5mm宽亚华胶布2Ts
4. 装好磁芯用6mm宽胶带2.5Ts固定磁芯，再沿线包方向包0.025*7.0mm宽背胶铜箔，铜箔短接后用Φ0.2mm线接至Pin1.
5. 沿磁芯用20mm宽胶带包2Ts.
6. 用13mm宽胶带沿线包，包2Ts.
7. 剪掉5,7-12脚,绕制完成去掉2脚。
8. 浸好漆后,套好变压器护套并整型!

4. 绕线剖面示意图

PQ2620(6+6)脚距25.4mm

5. S工艺图



未注公差		深圳福佳电器有限公司			
线性公差 L 0<L≤10 ±0.10 10<L≤30 ±0.15 30<L≤100 ±0.20 100<L ±0.30	角度 ±0.3°	元件名称	PQ2620变压器T3	图号	
		适用机型	FJ-SW2017	制作	
		物料编码		核对	
单位：mm	比例:	工艺处理	真空含浸	批准	
数量:	版本: A0	模号:		SIZE: A4	
PAGE 2 OF 3		日期	2017.03.06		

6.标签

6.1 标签纸可用透明印刷，打印或是激光打印均可，
但应保证字体清晰可见，且标贴纸的粘性良好，能耐130° C不易脱落.

6.2 标签内容应包括以下内容：

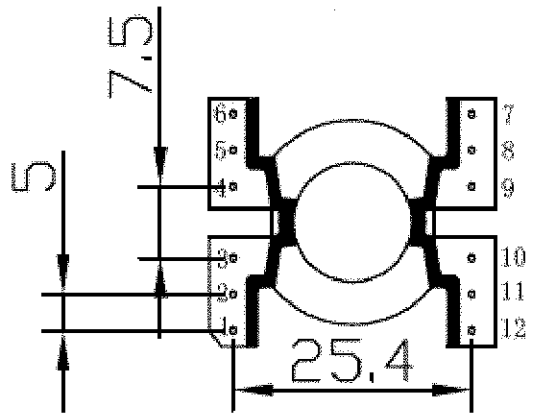
产品编号:

UL E341644
FJT-1 2017-T3
XX/YY/ZZ

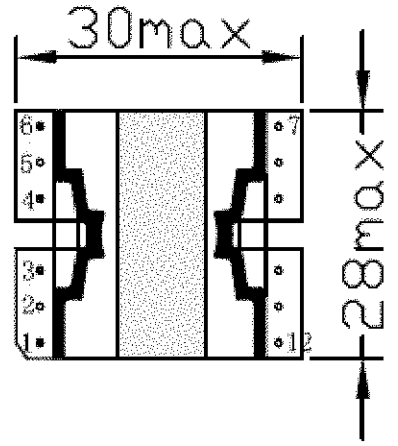
生产厂代号/年份/周期：

FJ-SW2017-65W

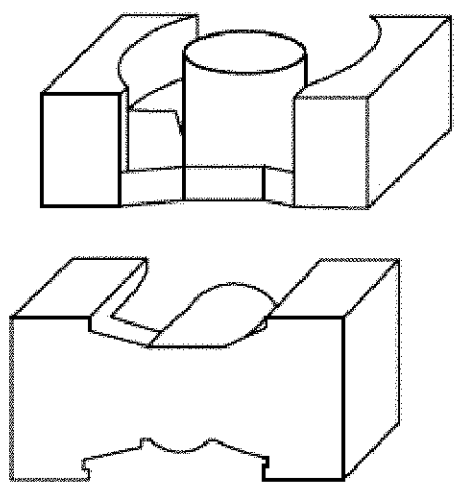
8. 结构图

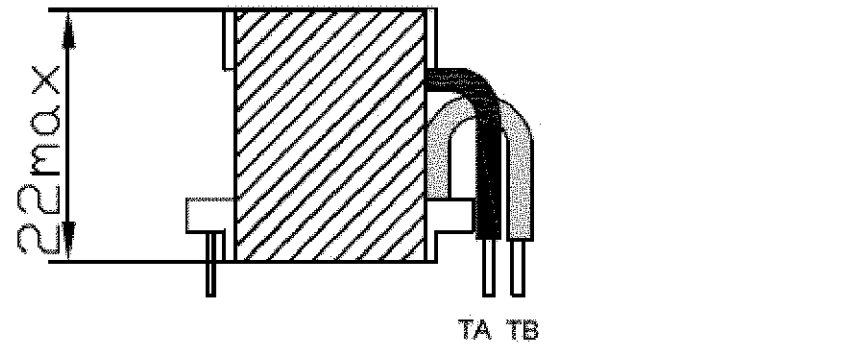


脚位尺寸图



底视图

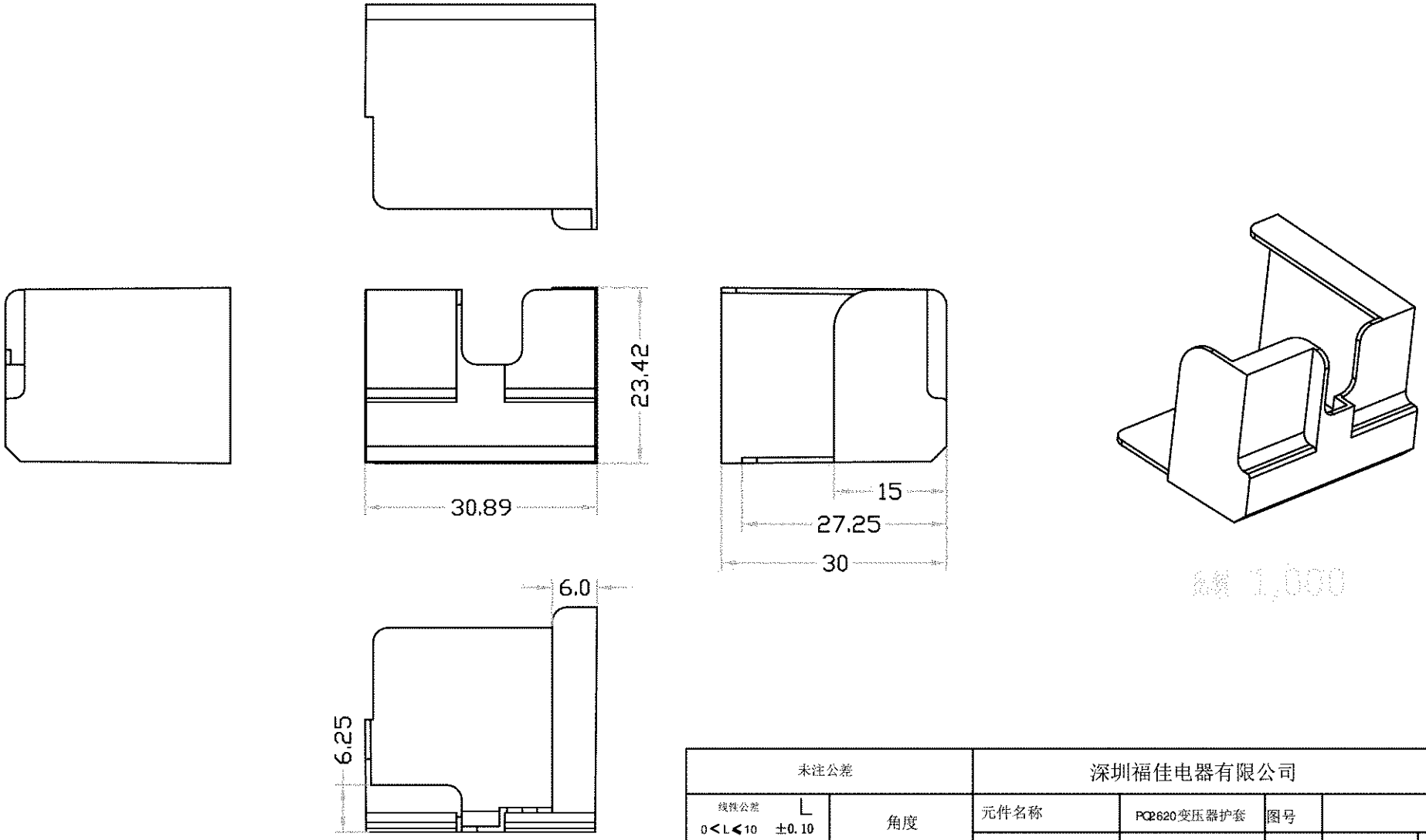




侧视图

注：1. 以上未注单位均为mm
2. 短脚作业，请注意引脚尺寸.

未注公差		深圳福佳电器有限公司				
线性公差 L 0<L≤10 ±0.10 10<L≤30 ±0.15 30<L≤100 ±0.20 100<L ±0.30	角度 ±0.3°	元件名称	PQ2620变压器T3	图号		
		适用机型	FJ-SW2017	制作		
		物料编码		核对		
单位：mm	比例：	工艺处理	真空含浸	批准		
数量：	版本:A0	模号；				SIZE:A4
PAGE 3 OF 3		日期	2017.03.06			



未注公差		深圳福佳电器有限公司			
线性公差 L 0<L≤10 ±0.10 10<L≤30 ±0.15 30<L≤100 ±0.20 100<L ±0.30	角度 ±0.3°	元件名称	PQ2620变压器护套	图号	
		适用机型	FJ-SW2017	制作	
		物料编码		核对	
单位：mm	比例:	工艺处理	真空含浸	批准	
数量:	版本: A0	模号:		SIZE: A4	
PAGE 3 OF 3		日期	2017.03.06		

FJ-SW2017-65W

1.电气特性：

1.1 电感量:PIN6-4 430uH±5%;测试条件:100KHz 1V

1.2 漏感量:PIN6-4 20uH Max

测试条件:100KHz 1V；PIN A,B短路.

1.3 高压测试：

1.3.1 初级-次级 4200VAC 1mA 5S

1.3.2 初级-磁芯 1500VAC 2mA 3S

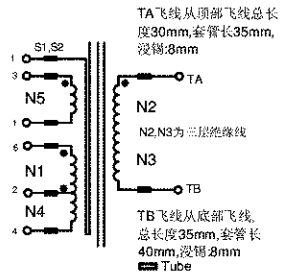
1.3.3 次级-磁芯 1500VAC 2mA 3S

1.4 绝缘电阻:100Mohm MIN;测试条件：500VDC

2.绕线结构

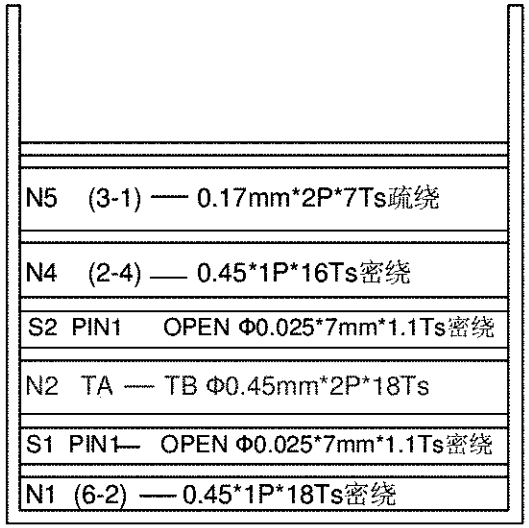
序号	标记	初级边挡墙	绕线说明					次级边挡墙	胶带	备注
			进线引脚	出线引脚	线径 （m/m）	匝数	绕法			
1	N1	0mm	6	2	0.45*1P	18TS	密绕	0mm	2TS	层间用1Ts胶带绝缘
2	S1	0mm	1	OPEN	0.025*7MM	1.1TS	密绕	0mm	2TS	
3	N2	0mm	TA 顶部飞线	TB 底部飞线	TIW 0.45*2P	18TS	密绕	0mm	1TS	
4	S2	0mm	1	OPEN	0.025*7MM	1.1TS	密绕	0mm	2TS	
5	N3	0mm	2	4	0.45*1P	16TS	密绕	0mm	2TS	
6	N4	0mm	3	1	0.17*2P	7TS	居中	0mm	3TS	
7										
8										

3.原理图



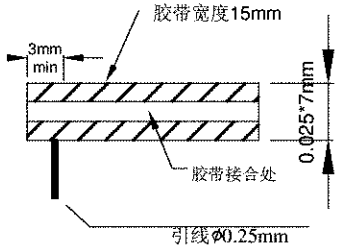
1. 使用PQ2620: CORE: 44材料
2. 使用PQ2620: 6+6PIN立式骨架排距25.4mm
3. 线层与层之间用9.5mm宽亚华胶布2Ts
4. 装好磁芯用6mm宽胶带2.5Ts固定磁芯，再沿线包方向包0.025*7.0mm宽背胶铜箔，铜箔短接后用Φ0.2mm线接至Pin1.
5. 沿磁芯用20mm宽胶带包2Ts.
6. 用13mm宽胶带沿线包，包2Ts.
7. 剪掉5,7-12脚,绕制完成去掉2脚。
8. 浸好漆后,套好变压器护套并整型!

4. 绕线剖面示意图



PQ2620(6+6)脚距25.4mm

5. S工艺图



未注公差		深圳福佳电器有限公司			
线段公差 L 0<L≤10 ±0.10 10<L≤30 ±0.15 30<L≤100 ±0.20 100<L ±0.30	角度 ±0.3°	元件名称	PQ2620变压器T5	图号	
		适用机型	FJ-SW2017	制作	
		物料编码		核对	
单位：mm	比例:	工艺处理	真空含浸	批准	
数量:	版本: A0	模号:		SIZE: A4	
PAGE 2 OF 3		日期	2017.03.06		

6.标签

6.1 标签纸可用透明印刷，打印或是激光打印均可，
但应保证字体清晰可见，且标贴纸的粘性良好，能耐130° C不易脱落.

6.2 标签内容应包括以下内容：

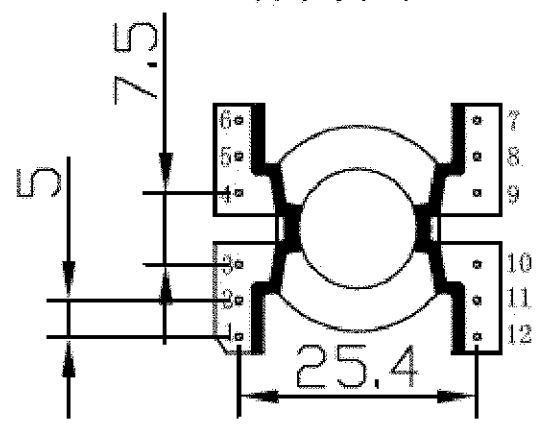
产品编号:

UL E341644
FJT-1 2017-T4
XX/YY/ZZ

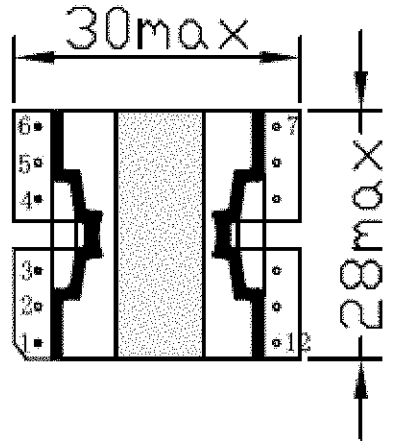
生产厂代号/年份/周期：

FJ-SW2017-65W

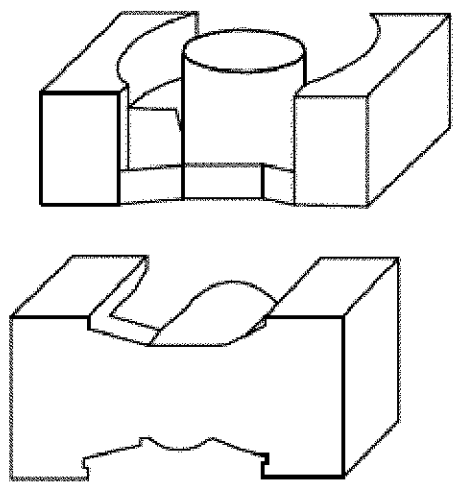
8. 结构图



脚位尺寸图

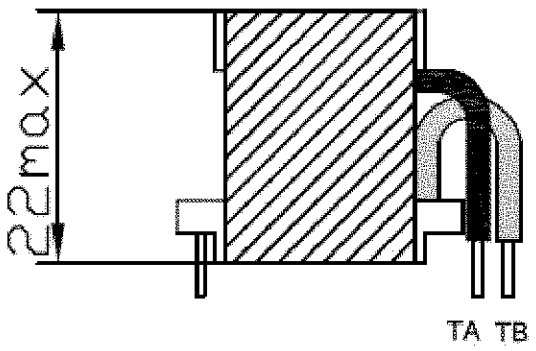


底视图



侧视图

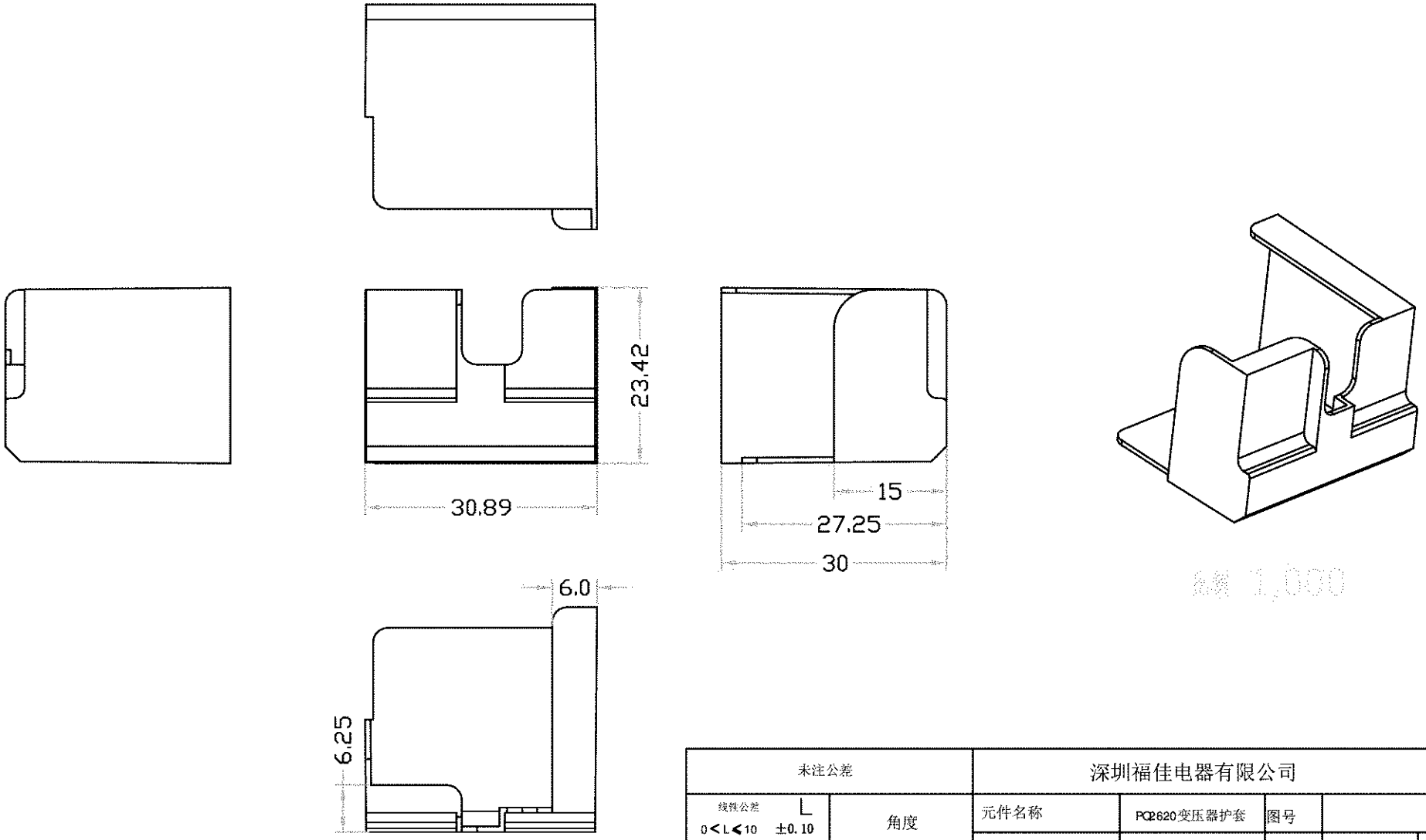
TA（30mm、浸锡8mm)



TB（35mm、浸锡8mm)

注：1. 以上未注单位均为mm
2. 短脚作业，请注意引脚尺寸.

未注公差		深圳福佳电器有限公司			
线性公差 L 0<L≤10 ±0.10 10<L≤30 ±0.15 30<L≤100 ±0.20 100<L ±0.30	角度 ±0.3°	元件名称	PQ2620变压器T5	图号	
		适用机型	FJ-SW2017	制作	
		物料编码		核对	
单位：mm	比例：	工艺处理	真空含浸	批准	
数量：	版本:A0	模号：			SIZE:A4
PAGE 3 OF 3		日期	2017.03.06		



未注公差		深圳福佳电器有限公司			
线性公差 L 0<L≤10 ±0.10 10<L≤30 ±0.15 30<L≤100 ±0.20 100<L ±0.30	角度 ±0.3°	元件名称	PQ2620变压器护套	图号	
		适用机型	FJ-SW2017	制作	
		物料编码		核对	
单位：mm	比例:	工艺处理	真空含浸	批准	
数量:	版本: A0	模号:		SIZE: A4	
PAGE 3 OF 3		日期	2017.03.06		

变更说明	日期

1.电气特性：

1.1 电感量:PIN1-2/PIN3-4 =0.7mH MIN ;测试条件:1KHz 0.25V

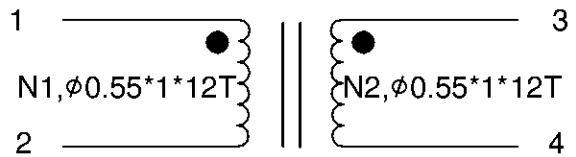
2.绕线结构

序号	标记	感量	绕线说明					胶带
			进线引脚	出线引脚	线径 （m/m）	匝数	绕法	
1	N1	0.7mH MIN	1	2	0.55*1P 三层绝缘线	12ts(REF)	顺绕	
2	N2	0.7mH MIN	3	4	0.55*1P 漆包线	12ts(REF)	顺绕	

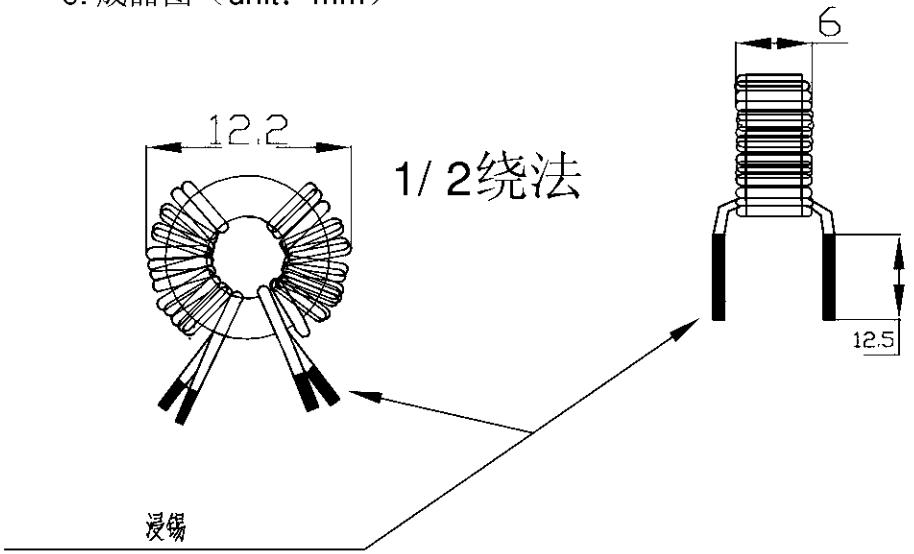
3.材料清单

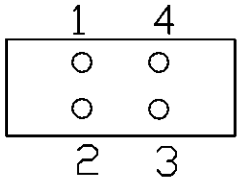
序号	名 称	材 料	指定品牌(供应商)	安规要求
1	CORE（磁芯）	T10*6*4	----	UL认证
2	WIRE（铜线）	UEW-2	----	UL认证
3	WIRE(三层绝缘线)	TEX-2	----	UL认证
4	硅胶	阻燃硅胶707	----	UL认证
5				

4. 原理图

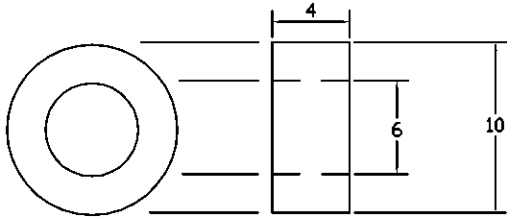


5. 成品图（unit：mm）





脚位示意图



公差		福佳电器深圳有限公司				
线性公差 L 0＜L≤10 ±0.20 10＜L≤30 ±0.25 30＜L≤100 ±0.30 100＜L ±0.40	角度 ±0.3°	部品名称	磁环电感	图号		
		适用机种	FJ-SW2006	作图	崔玉林	
		材质要求		核对		
单位：mm	比例:	物料编码	2808007012000	批准		
数量:	版本: A/0	模具编号				SIZE: A4
PAGE 1 OF 1		日期	2015.11.11			

变更说明	日期

1.电气特性：

1.1 电感量:PIN1-2/PIN3-4=12.0mH MIN;测试条件:1KHz 0.25V

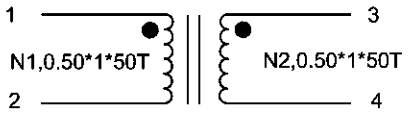
2.绕线结构

序号	标记	感量	绕线说明					胶带
			进线引脚	出线引脚	线径 （m/m）	匝数	绕法	
1	N1	12.0mH MIN	1	2	0.50*1P 漆包线	50ts(REF)	顺绕	
2	N2	12.0mH MIN	3	4	0.50*1P 漆包线	50ts(REF)	顺绕	

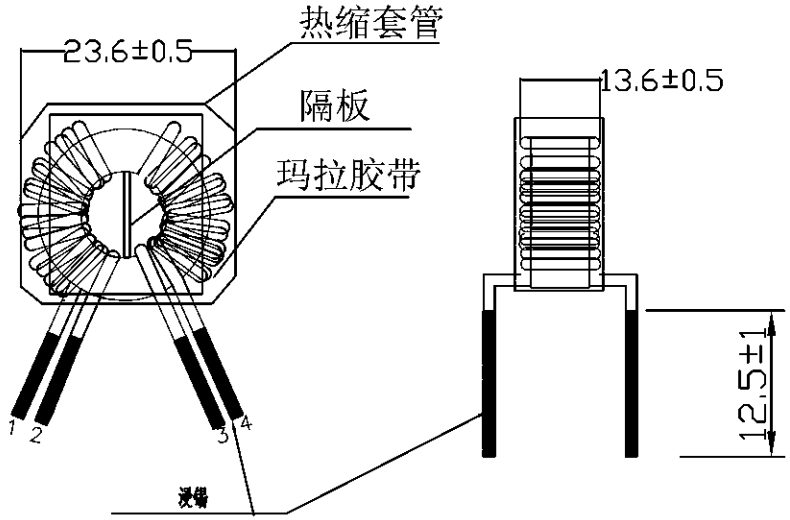
3.材料清单

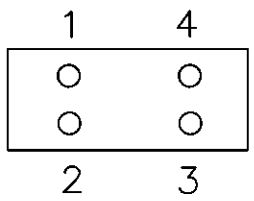
序号	名 称	材 料	指定品牌(供应商)	安规要求
1	CORE（磁芯）	T16*12*8	----	UL认证
2	WIRE（铜线）	UEW-2	----	UL认证
3	玛拉胶带	宽13mm L=150mm	----	UL认证
4	硅胶	阻燃硅胶707	----	UL认证
5	隔板	11.4*5mm	----	UL认证
6	热缩套管	φ18 L=19mm	----	UL认证

4. 原理图

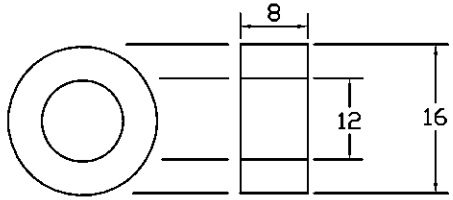


5. 成品图（unit：mm）

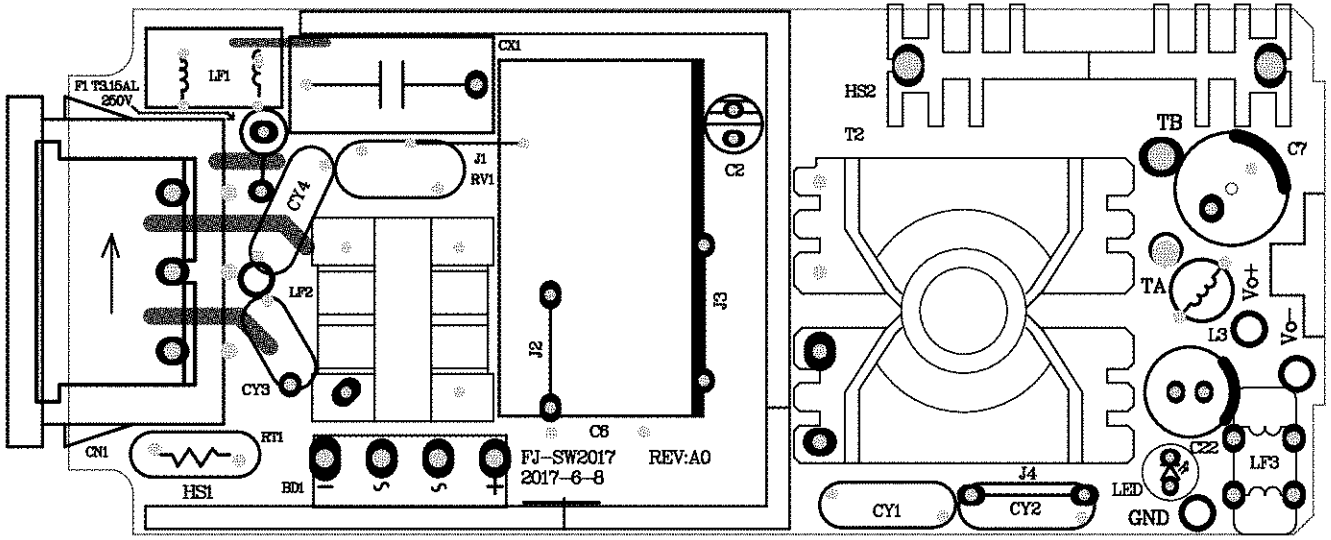


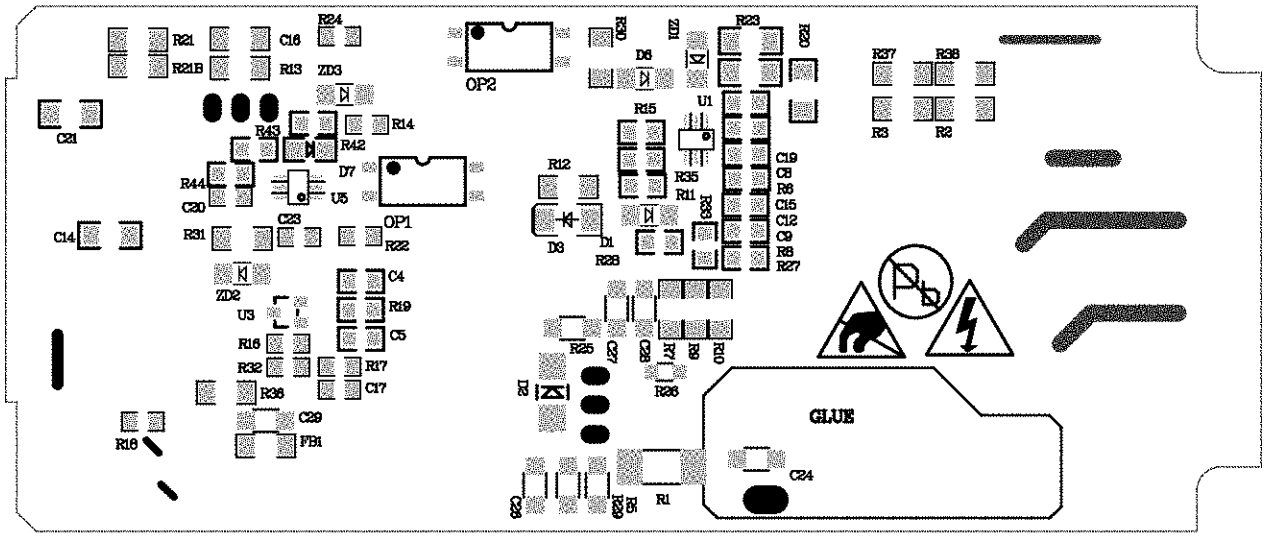


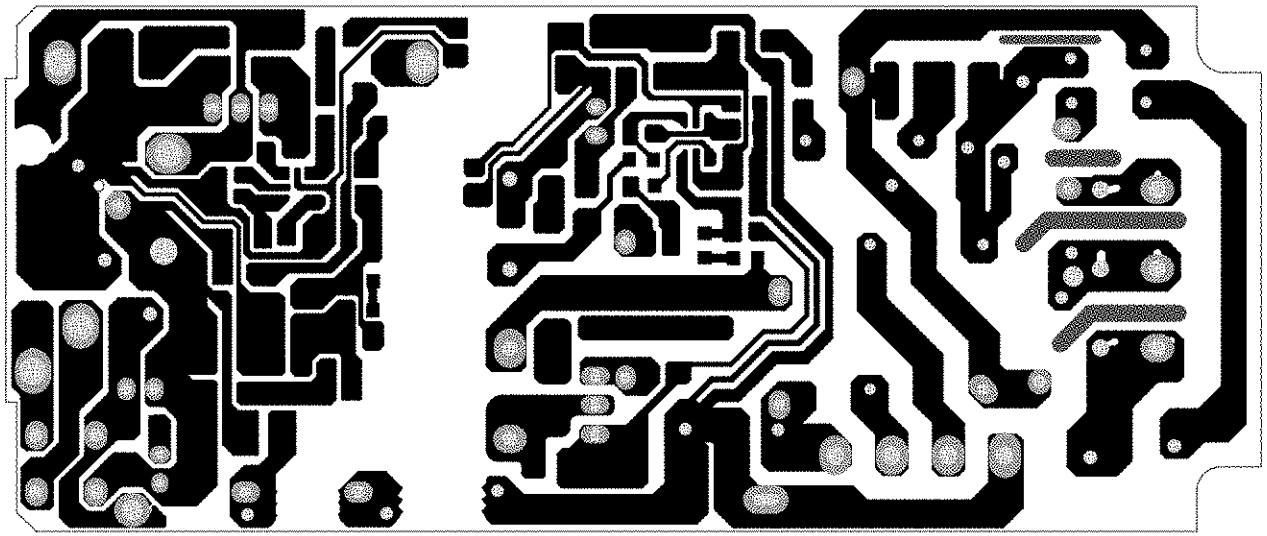
脚位示意图

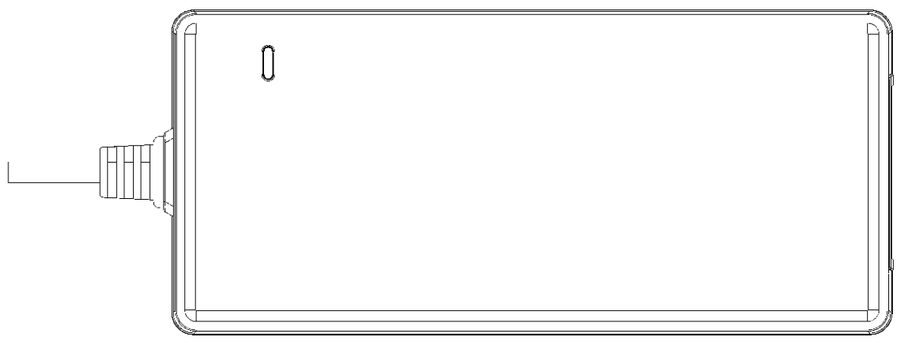


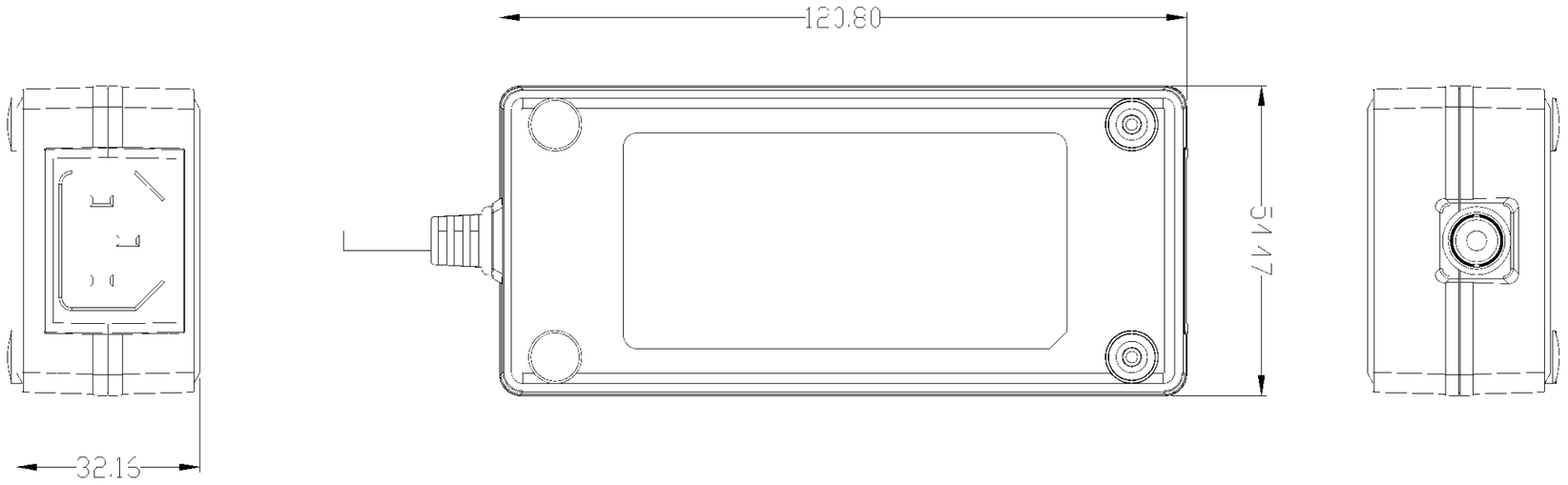
公差		福佳电器深圳有限公司			
线性公差 L 0<L≤10 ±0.20 10<L≤30 ±0.25 30<L≤100 ±0.30 100<L ±0.40	角度 ±0.3°	部品名称	共模磁环电感	图号	
		适用机种		作图	郑 华
		材质要求		核对	
单位：mm	比例：	物料编码	2808012050000	批准	
数量：	版本:A/0	模具编号		SIZE:A4	
PAGE 1 OF 1		日期	2011.04.23		

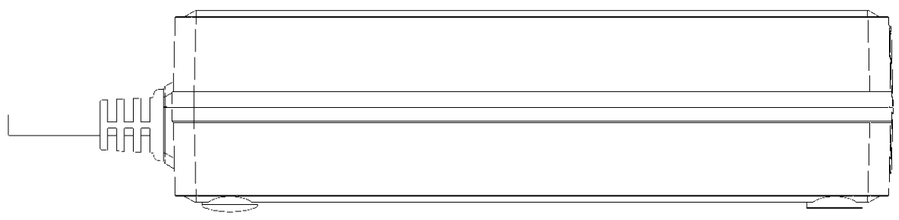

F1 T3.15AL
250V
LF1
CX1
J1
RV1
C2
CY4
LP2
J3
J2
CY3
C6
RT1
CN1
HS1
BD1
FJ-SW2017
2017-6-8
REV:A0
HS2
T2
TB
C7
TA
Vo+
L3
Vo-
C22
LF3
J4
LED
GND
CY1
CY2

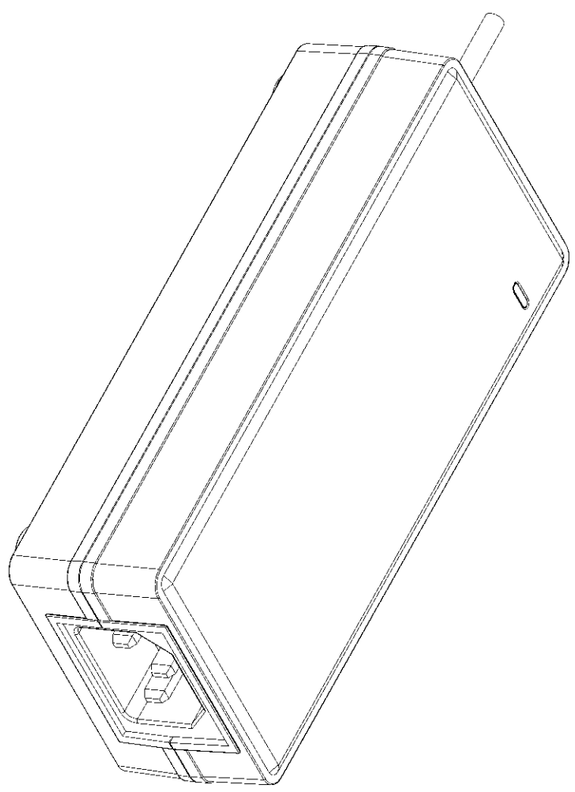

R21
R21B
C16
R24
R13
ZD3
C21
R43
R14
R42
D7
R44
U5
C20
C23
OP1
C14
R31
R22
ZD2
U3
C4
R19
C5
R16
R32
R17
C17
R36
C29
R18
FB1
OP2
R40
ZD1
D6
R23
R20
U1
R15
R12
R35
R11
R33
C19
C8
R6
C15
C12
C9
R8
R27
D3
D1
R28
R37
R38
R3
R2
R25
C27
C28
R7
R9
R10
R26
D2
GLUE
C24
R1
R5
C30

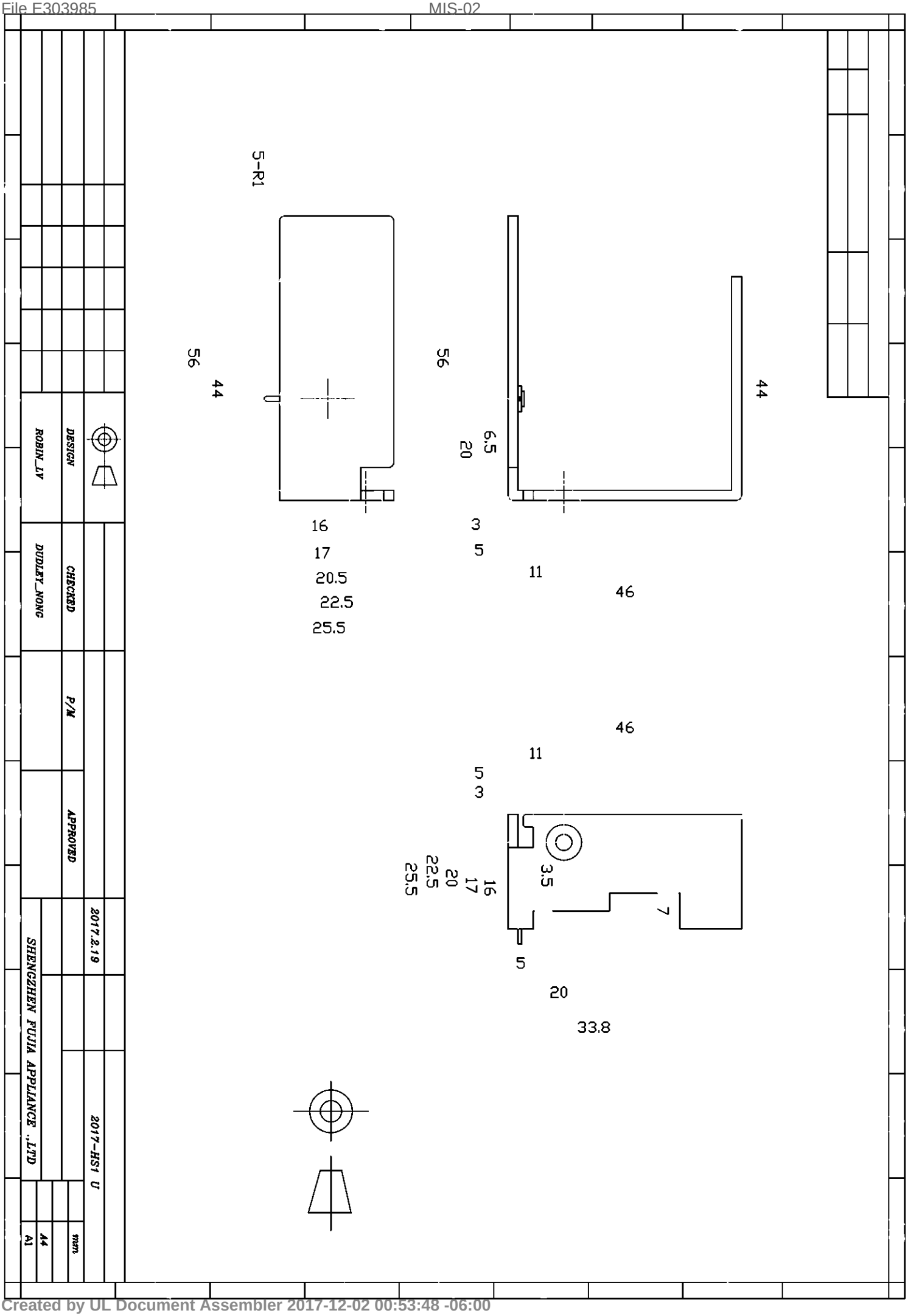





120.80
54.17
32.16

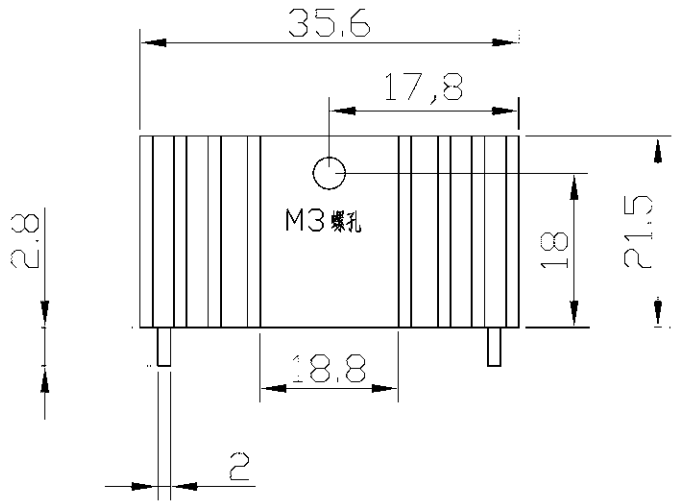


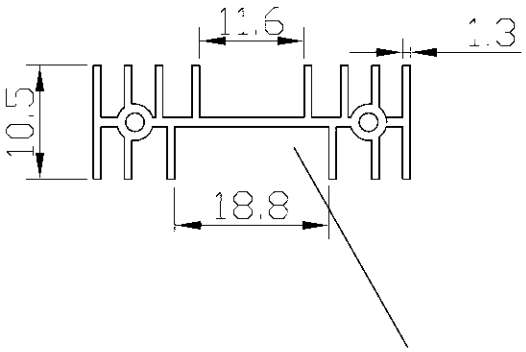




注:

（引脚 L=2.8-2.0）





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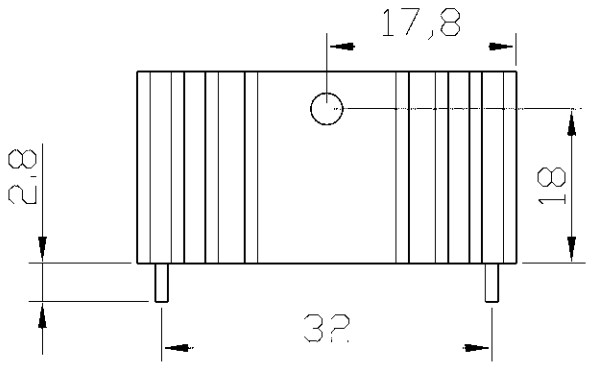
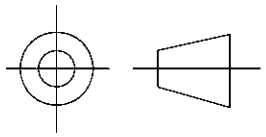
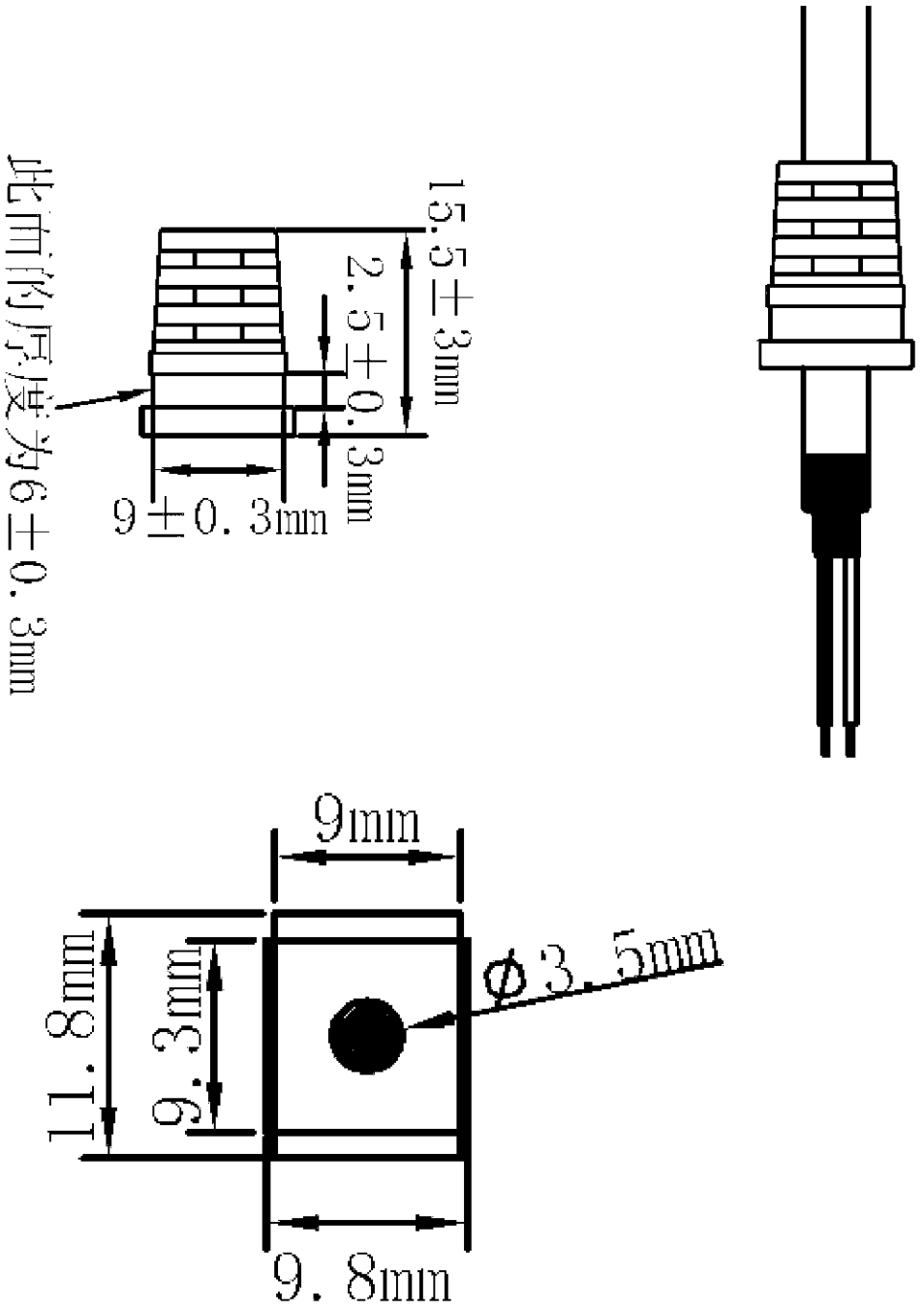




DESIGN	CHECKED	P/M	APPROVED	AL=2.0	FJ-SW286-HS1 Heat Sink
minxian_Luo				FJ ELECTRONICS.,LTD	mm / A4

MIS-03

File E303985



注

1. 未标注尺寸的所有公差为±0.3，单位为mm