UL TEST REPORT AND PROCEDURE

Standard: Certification Type: CCN:	UL 60950-1, 2nd Edition, 2014-10-14 (Information Technology Equipment - Safety - Part 1: General Requirements) CAN/CSA C22.2 No. 60950-1-07, 2nd Edition, 2014-10 (Information Technology Equipment - Safety - Part 1: General Requirements) Listing QQGQ, QQGQ7 (Power Supplies for Information Technology Equipment Including Electrical Business Equipment)
Product:	ITE POWER SUPPLY
Model:	 GT-46240-WWVV-X.X-TZ WW is the standard output wattage, with a maximum value of 24. VV is the standard rated output voltage designation, with a value of 12, 15 and 24. -X.X denote the output voltage differentiator, subtracting volts from standard output voltage, which is blank. Z can be 3 or 3A, 3 means C14 inlet type, 3A means C6 inlet type.
Rating:	I/P: 1) 100-240Vac , 50-60Hz, 0.6A (For all models) O/P: See Miscellaneous 7-01 for details.
Applicant Name and Address:	GLOBTEK (HONG KONG) LTD UNIT 1402, BENSON TOWER 74 HUNG TO RD KWUN TONG KOWLOON HONG KONG

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.

The applicant is authorized to reproduce the referenced Test Report provided it is reproduced in its entirety.

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL.

Prepared by: Nat Liu/ Amos Chen

Reviewed by: Kyle Lin

2016-04-13

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

Electronic components are mounted on PWB and housed in plastic enclosure secured by ultrasonic welding.

Model Differences

All models are same except secondary winding of transformer (T1), transistor (Q1), heat sink (HS2) and output rating.

See Miscellaneous 7-01 for details.

Technical Considerations

- Equipment mobility : movable/transportable
- Connection to the mains : pluggable A
- Operating condition : continuous
- Access location : operator accessible
- Over voltage category (OVC) : OVC II
- Mains supply tolerance (%) or absolute mains supply values : +10%, -10%
- Tested for IT power systems : No
- IT testing, phase-phase voltage (V) : N/A
- Class of equipment : Class I (earthed)
- Considered current rating of protective device as part of the building installation (A) : 20A
- Pollution degree (PD) : PD 2
- IP protection class : IP X0
- Altitude of operation (m) : Up to 2000 meters
- Altitude of test laboratory (m) : less than 2000 meters
- Mass of equipment (kg) : Approx. 0.14
- The product was submitted and evaluated for use at the maximum ambient temperature (Tma) permitted by the manufacturer's specification of: 40°C
- The means of connection to the mains supply is: Detachable power cord, Pluggable A
- The product is intended for use on the following power systems: TN

- The equipment disconnect device is considered to be: Appliance inlet
- The product was investigated to the following additional standards:
- The following accessible locations (with circuit/schematic designation) are within a limited current circuit: Secondary side of CY1, CY2
- The following circuit locations (with circuit/schematic designation) were investigated as a limited power source (LPS): output port
- The following are available from the Applicant upon request: Installation (Safety) Instructions / Manual

Additional Information	
N/A	
Markings and instruction	ons
Clause Title	Marking or Instruction Details
Power rating - Ratings	Ratings (voltage, frequency/dc, current)
Power rating - Model	Model Number
Power rating - Company identification	Listee's or Recognized company's name, Trade Name, Trademark or File Number
Fuses - Rating	Rated current and voltage and type located on or adjacent to fuse or fuseholder.
LPS Marking (Optional)	Marked "LPS" or "Limited Power Source".
Special Instructions to	UL Representative

Inspect the transformer(s) listed in Production-Line Testing Requirements 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 is conducted at the component manufacturer. The test record noted above shall be submitted to the manufacturer from transformer manufacturer. The test record can be in the form of an actual test record. A stamp or sticker on the transformer or other method verifying the routine test is being completed on 100% production is also acceptable.

Production-L	ine Testing Requ	irements				
Electric Stren	ngth Test Special	Constructions	- Refer to Generic Inspe	ction Ins	structions, P	art AC for
further inform	nation.					
		Removable		V		Test Time,
Model	Component	Parts	Test probe location	rms	V dc	S
	Transformer T1	N/A	Primary to Secondary	300	4242	1
this report				0		
Earthing Con	<u>itinuity Test Exem</u>	<u>nptions - This t</u>	<u>est is not required for th</u>	e followi	ing models:	
No exemption						
Electric Strer	nath Test Exempt	ions - This test	is not required for the f	ollowing	models:	
No exemption						
	•					
Electric Strer	ath Test Compo	oont Exampliar	ns - The following solid-	stata aar	nnononto m	av ho
			litry during the performa			
N/A						
Sample and	Test Specifics for	Follow-Up Tes	ts at UL			
			_ ,	-		Test
Model	Component	Material	Test	S	ample(s)	Specifics
N/A		-				

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1.5.1	TABLE: list of critical	components				Pass
Object/part or Description	Manufacturer/ trademark	type/model	technical data	Product Category CCN(s)	Required Marks of Conformity	Supplement ID
01. Enclosure	SABIC INNOVATIVE PLASTICS	SE1X(GG)(f1)	Two pieces construction, secured together by ultrasonic welding, rated V-1 or better, 130 degree C min. Minimum 2.0 mm thickness. See Enclosure/Diagram ID 4-01 for dimensions	QMFZ2	UL	
02. Appliance Inlet (for GT-46240-WWVV-X.X- T3) (C14 type)	TECX-UNIONS TECHNOLOGY CORP	TU-301-SP	Rated 250 V, 15 A, 105 degree C min.	AXUT2	UL	
02a. Appliance Inlet (alternate) (GT-46240- WWVV-X.X-T3) (C14 type)	SUN FAIR ELECTRIC WIRE & CABLE (HK) CO LTD	S-03	Rated 250 V, 10 A, 75 degree C min.	AXUT2	UL	
02b. Appliance Inlet (alternate) (for GT- 46240-WWVV-X.X-T3) (C14 type)	ZHEJIANG LECI ELECTRONICS CO LTD	DB-14	Rated 250 V, 15 A, 75 degree C min.	AXUT2	UL	
02c. Appliance Inlet (alternate) (for GT- 46240-WWVV-X.X-T3) (C14 type)	ZHE JIANG BEI ER JIA ELECTRONIC CO LTD	ST-A01-003J	Rated 250 V, 10 A, 75 degree C min.	AXUT2	UL	
02-1. Appliance Inlet (for GT-46240-WWVV-X.X- T3A) (C6 type)	TECX-UNIONS TECHNOLOGY CORP	TU-333	Rated 250 V, 2.5 A, 105 degree C min.	AXUT2	UL	
02-1a. Appliance Inlet (alternate) (for GT- 46240-WWVV-X.X-T3A) (C6 type)	SUN FAIR ELECTRIC WIRE & CABLE (HK) CO LTD	S-02	Rated 250 V, 2.5 A, 75 degree C min.	AXUT2	UL	
02-1b. Appliance Inlet (alternate) (for GT- 46240-WWVV-X.X-T3A) (C6 type)	ZHEJIANG LECI ELECTRONICS CO LTD	DB-6	Rated 250 V, 2.5 A, 75 degree C min.	AXUT2	UL	

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02-1c. Appliance Inlet (alternate) (for GT- 46240-WWVV-X.X-T3A) (C6 type)	ZHE JIANG BEI ER JIA ELECTRONIC CO LTD	ST-A04-002	Rated 250 V, 2.5 A, 75 degree C min.	AXUT2	UL
03. Fuse (F1)	Various	Various	Listed, T1.6A, 250Vac	JDYX	UL
03a. Fuse (F1) (Alternate)	Conquer Electronics Co Ltd	MST	Rated T1.6A, 250Vac.	JDYX2	UL
03b. Fuse (F1) (Alternate)	Ever Island Electric Co Ltd & Walter Electric	2010	Rated T1.6A, 250Vac.	JDYX2	UL
03c. Fuse (F1) (Alternate)	COOPER BUSSMANN LLC	SS-5	Rated T1.6A, 250Vac.	JDYX2	UL
03d. Fuse (F1) (Alternate)	Bel Fuse Inc	RST	Rated T1.6A, 250Vac.	JDYX2	UL
03e. Fuse (F1) (Alternate)	HOLLYLAND CO LTD	5ET	Rated T1.6A, 250Vac.	JDYX2	UL
03f. Fuse (F1) (Alternate)	LITTELFUSE WICKMANN WERKE	392	Rated T1.6A, 250Vac.	JDYX2	UL
04. X-Capacitor (CX1)	Cheng Tung Industrial Co Ltd	СТХ	Rated max 0.22 uF, min 250 V, X1 or X2 type, 100 degree C. (Compliance with IEC 60384- 14)	FOWX2	UL
04a. X-Capacitor (CX1) (Alternate)	Tenta Electric Industrial Co Ltd	MEX	Rated max 0.22uF, min 250 V, X1 or X2 type, 100 degree C. (Compliance with IEC 60384- 14)	FOWX2	UL
04b. X-Capacitor (CX1) (Alternate)	Ultra Tech Xiphi Enterprise Co Ltd	HQX	Rated max 0.22 uF, min 250 V, X1 or X2 type, 100 degree C. (Compliance with IEC 60384- 14)	FOWX2	UL
04c. X-Capacitor (CX1) (Alternate)	CARLI ELECTRONICS CO LTD	MPX	Rated max 0.22uF, min 250 V, X1 or X2 type, 100 degree C. (Compliance with IEC 60384- 14)	FOWX2	UL
04d. X-Capacitor (CX1) (Alternate)	JOEY ELECTRONICS (DONG GUAN) CO	MPX	Rated max 0.22uF, min 250 V, X1 or X2 type, 105 degree C. (Compliance with IEC 60384-	FOWX2	UL

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	LTD		14)			
04e. X-Capacitor (CX1) (Alternate)	XIANGTAI ELECTRONIC (SHENZHEN) CO LTD	MKP/MPX	Rated max 0.22uF, min 250 V, X1 or X2 type, 110 degree C. (Compliance with IEC 60384- 14)	FOWX2	UL	
05. Bleeder Resistors (R1, R2)			Max. 2.2Mohs, min. 1/4W			
06. Bridge Diode (BD1)			Rated 2A, minimum 1000 V.			
07. Storage Capacitor (C1)			Rated 400 V, max. 47uF, min. 105 degree C, provided with integral pressure relief			
08. Transistor (Q1) (for GT-46240-2412-TZ, GT- 46240-2424-TZ)	Various	Various	Rated 4-10 A, minimum 600 V.			
08a. Transistor (Q1) (Alternate) (for GT- 46240-2415-TZ)	Various	Various	Rated 4-10 A, minimum 650 V.			
09. Bridge Capacitors (CY1,CY2) (optional)	Success Electronics Co Ltd	SE, SB	CY1 rated max. 470pF, CY2 rated max. 220pF, min. 250 Vac, 125 degree C, Y1 type. (Compliance with IEC 60384- 14)	FOWX2	UL	
09a. Bridge Capacitors (CY1,CY2) (optional) (Alternate)	TDK-EPC CORPORATION	CD	CY1 rated max. 470pF, CY2 rated max. 220pF, min. 250 Vac, 125 degree C, Y1 type. (Compliance with IEC 60384- 14)	FOWX2	UL	
09b. Bridge Capacitors (CY1,CY2) (optional) (Alternate)	Walsin Technology Corp	AH	CY1 rated max. 470pF, CY2 rated max. 220pF, min. 250 Vac, 125 degree C, Y1 type. (Compliance with IEC 60384- 14)	FOWX2	UL	
09c. Bridge Capacitors (CY1,CY2) (optional) (Alternate)	Haohua Electronic Co	CT 7	CY1 rated max. 470pF, CY2 rated max. 220pF, min. 250 Vac, 125 degree C, Y1 type. (Compliance with IEC 60384- 14)	FOWX2	UL	

09e. Bridge Capacitors (CY1,CY2) (optional) (Alternate)	XIANGTAI ELECTRONIC (SHENZHEN) CO LTD	YOB YOF YOE	CY1 rated max. 470pF, CY2 rated max. 220pF, min. 250 Vac, 125 degree C, Y1 type. (Compliance with IEC 60384- 14)	FOWX2	UL
09f. Bridge Capacitors (CY1,CY2) (optional) (Alternate)	JUHONG ELE CO	JB	CY1 rated max. 470pF, CY2 rated max. 220pF, min. 250 Vac, 125 degree C, Y1 type. (Compliance with IEC 60384- 14)	FOWX2	UL
10. Optical Isolator (PC1)	Lite-On Technology Corp	LTV-817	Isolation: 5000 Vac, minimum 100 degree C.	FPQU2	UL
10a. Optical Isolators (PC1) (Alternate)	Everlight Electronics Co Ltd	EL817	Isolation: 5000 Vac, minimum 110 degree C.	FPQU2	UL
10b. Optical Isolators (PC1) (Alternate)	COSMO ELECTRONICS CORP	K1010	Isolation voltage minimum 5000 Vac, minimum 115 degree C.	FPQU2	UL
10c. Optical Isolators (PC1) (Alternate)	BRIGHT LED ELECTRONICS CORP	BPC- 817XXXXX, BPC- 817MXXXXX, BPC- 817SXXXXX, where XXXXX, can be any alphanumeric character or blank.	Isolation voltage minimum 5000 Vac, minimum 100 degree C.		UL
10d. Optical Isolators (PC1) (Alternate)	RENESAS ELECTRONICS CORPORATION	PS2561-1	Isolation voltage minimum 5000 Vac, minimum 100 degree C.	FPQU2	UL
11. Line filter (NF1) (Optional)	Various	NF00103	Open type construction. Rated 105 dehree C. See Enclosure / Diagram ID 4-02 for construction details.		
11a Core	Various	Various	Ferrite, overall measured overall 15.5 mm by10.3mm by		

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			2.5mm		
11b Coil	Various	Various	Rated minimum 105 degree C.	OBMW2	UL
12. Transformer (T1) (for		XF00956	Class B, See Enclosure /		
GT-46240-2412-TZ, GT-			Diagram ID 4-03 for		
46240-2415-TZ)			construction details.		
12a. Transformer (T1)		XF00957	Class B, See Enclosure /		
(Alternate) (for GT-			Diagram ID 4-04 for		
46240-2424-TZ)			construction details.		
12-01. Insulation system		130-1	Insulation system Class B (130	OBJY2	UL
for Transformer (T1)			degree C, adapted form		
			GREAT LEOFLON		
			INDUSTRIAL CO LTD, Type		
			GH-130)		
12-02. Core			EE type, Ferrite, See Enclosure		
			/ Diagram ID 4-03, 4-04 for		
			construction details.		
12-03. Coil			130 degree C	OBMW2	UL
12-04. Bobbin	Chang Chun Plastics	T375J	V-0, 150degree C, Phenolic,	QMFZ2	UL
	Co., Ltd.		thickness 0.8mm minimum		
12-04a. Bobbin	SUMITOMO	PM-9820	V-0, 150degree C, Phenolic,	QMFZ2	UL
(Alternate)	BAKELITE CO LTD		thickness 0.71mm minimum		
12-05. Tubing/Sleeving	Great Holding	TFL, TFS, TFT	Rated 200 degree C, VW-1,	YDPU2	UL
	Industrial Co. Ltd.		600V max.		
12-06. Triple Insulated	Great Leoflon	TRW(B)	130 degree C	OBJT2	UL
Wire	Industrial Co. Ltd.				
12-07. Varnish	John C. Dolph Co.	BC-346A	Rated minimum 200 degree C.	OBOR2	UL
12-07a. Varnish	Elantas Electrical	V1630FS	Rated minimum 130 degree C.	OBOR2	UL
(Alternate)	Insulation Elantas				
	Pdg Inc				
12-08. Insulation Tape	3M Company	1350F-1	130 degree C.	OANZ2	UL
13. Internal Glue			Rated V-2 minimum.	QMFZ2	UL
Materials					
14. Internal Plastic Part			Rated minimum V-2.	QMFZ2	UL
Materials					
15. Strain Relief Of	Various	Various	Minimum 300 V, 80 degree C,	QMFZ2	UL
Output Cord			maximum 3.05 m, marked VW-		
			1 or FT-1. Suitable for external		

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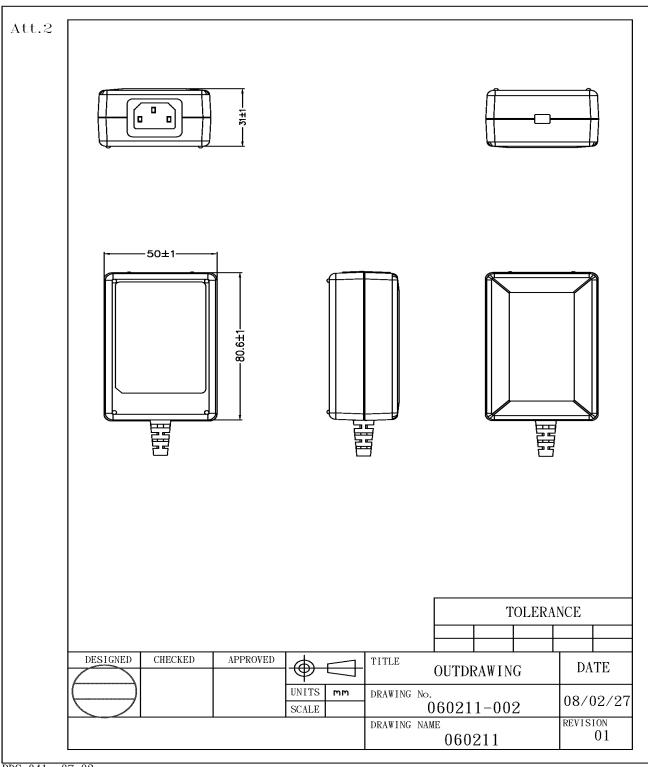
			use. Refer to Enclosure/Diagram 4-05 for strain relief dimension details.			
16. PWB	Various	Various	V-0 or better, minimum 130 degree C.	ZPMV2		
17. Label	Various	Various	Minimum 70 degree C. if maximum surface temperature not specified.	PGDQ2, PGJI2	UL	
18. Heat Sink (HS1) (Consideration as Primary)	Various	Various	Aluminum, minimum 2.0 mm thick. See Enclosure ID 4-06 for detailed dimensions.			
19. Heat Sink (HS2) (Consideration as Secondary) (for GT- 46240-2412-TZ, GT- 46240-2415-TZ)	Various	Various	Aluminum, minimum 1.0 mm thick. See Enclosure ID 4-07 for detailed dimensions.			
20. Current sense resistor (R10)			0.91 ohm, 1W.			
21. Bonding wire	Interchangeable	Interchangeable	Green / yellow lead used. FEP, PTFE, PVC, TFE neoprene, polyimide or marked VW-1; min. 18 AWG, min. 80 degree C, min. 300V. One end soldered to secondary side of PWB, the other end hook and soldered to AC inlet contacts.	AVLV2	UL	
22. Power supply cord (Class I) (Optional)	Various	Various	No. 18 AWG, Detachable, min. 0.5 m max. 4.5 m (14.76 ft.) long, Type SVT or SJT or SPT- 2 or NISPT-2 flexible cord. Rated min. 125 V if one end terminated in NEMA 5-15P grounding type attachment plug; rated min. 250 V if one end terminated in NEMA 6-15P grounding type attachment plug, the other end in an	ELBZ or (ZJCZ and RTRT and AXUT)	UL	

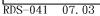
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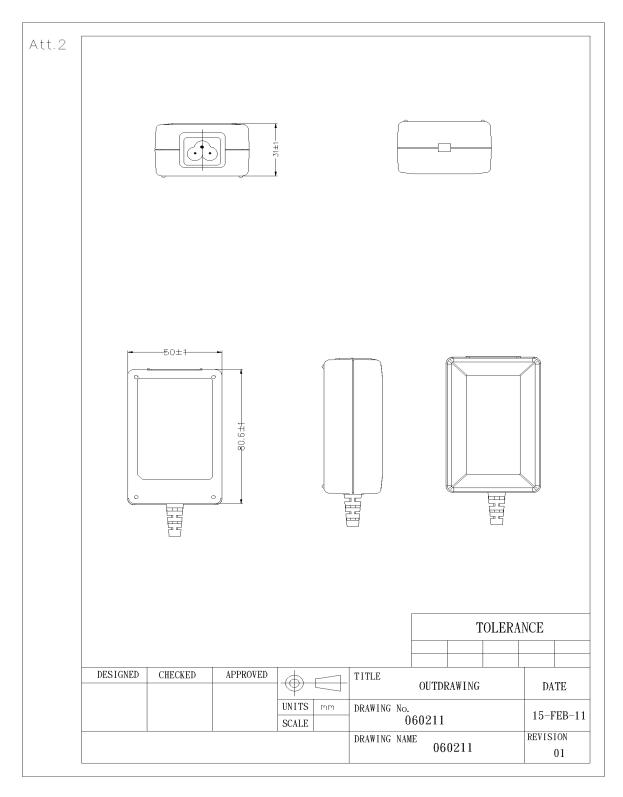
appliance coupler			
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Enclosures

<u>Type</u>	Supplement Id	Description
Diagrams	4-01	Enclosure drawing
Diagrams	4-02	Line filter (NF1)
Diagrams	4-03	Transformer (T1) (for GT-46240-2412-TZ, GT-46240-2415-TZ)
Diagrams	4-04	Transformer (T1) (Alternate) (for GT-46240-2424-TZ)
Diagrams	4-05	Strain Relief Of Output Cord
Diagrams	4-06	Heat Sink, HS1 (Consideration as Primary)
Diagrams	4-07	Heat Sink, HS2 (Consideration as Secondary) (for GT-46240- 2412-TZ, GT-46240-2415-TZ)
Schematics + PWB	5-01	PWB Layout
Miscellaneous	7-01	Model Differences







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SPECIFICATION

I TEM	MATERIAL	SUPPLIER	UL No.
CORE UU9.8	R10K	Acme	
	UEWN/U	Pacific electric wire & cable co.,ltd	E201757
WIRE	UEWS/U UEW-4	Jung Shing wire co., ltd	E174837
BOBBIN	UEY-2 T375J	CHANG CHUN PLASTCS CO., LTD.	E59481
1001010110	PM9820	SUMITOMO BAKELITE	E211989
TAPE	1350F-(#) 1350T-1	3M COMPANY ELECTRICAL PRODUCTS DIV	E17385
	3705	BONDTEC PACIFIC CO., LTD	E175868
VARNISH	V1630FS	VIKING PRODUCTS	E75225
A THEFT PLANE	BC-346A	JOHN C. DOLPH. CO.	E317427

RDS041.0307

CONTENT

ENG MODEL NO: XF00956

NO	DESCRIPTION
1	OUTLINE DIMENSION
2	SCHEMATIC
3	WINDING SEQUENCE
4	WINDING TABLE
5	ELECTRCAL CHARACTERISTIC
5.1	HI-POT TEST
5.2	INSULATION TEST
6	MATERIAL LIST
7	CHUCUN TIAO JIAN CHAN PIN PACKING

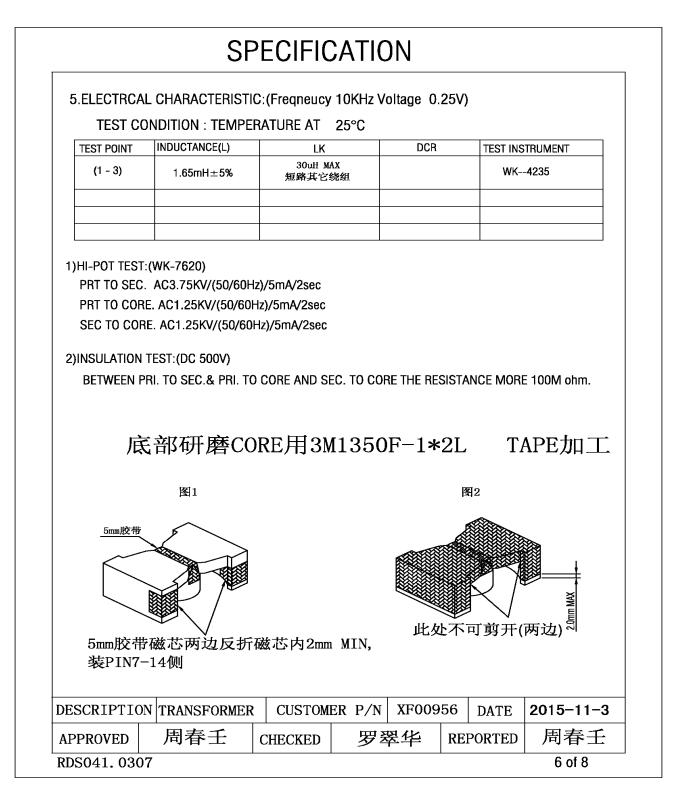
HISTORY

ENG MODEL NO:XF00956

NO	DATE	REMARK	REVISION	SIGN
1	2015-6-29	送承认	1	周春壬
2	2015-11-3	依ENG工程师:增加磁芯加工5mmPIN7-14侧,外围胶带 16mm变更为20mm, 3mm挡墙变更为3.5mm,N1,54TS变更 50TS,N3,12TS变更为16TS,变更磁芯加工胶带3M 1350F-1*2层	2	周春壬

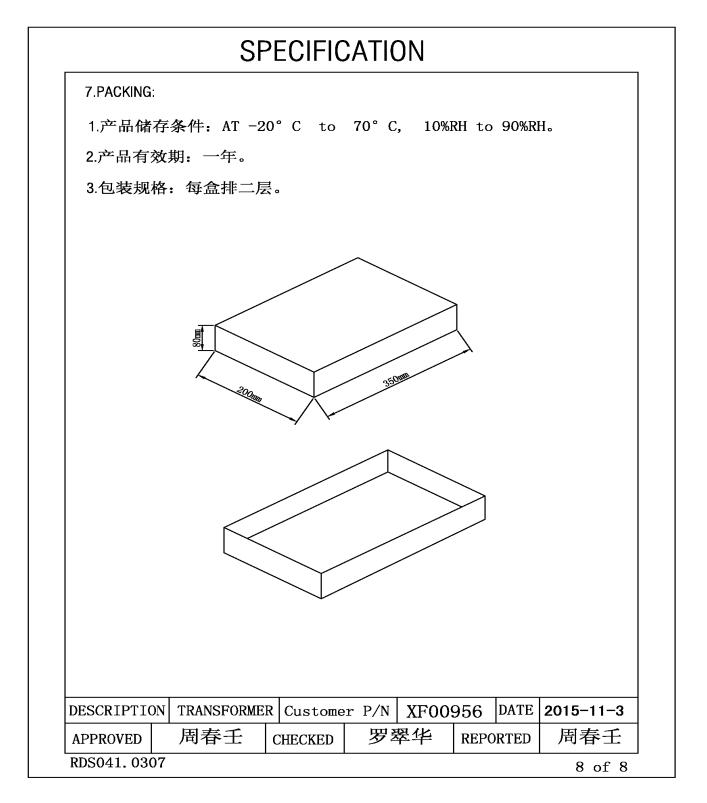
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			SF	PECIFIC		ON			
2.S0	CHEMA	TIC:			3.WINI	DING SEQU	ENCE:		
$\begin{array}{c c} PRI & SEC \\ 3 & & & \\ 2 & & & \\ 1 & & \\ 5 & & & \\ & & & & \\ & & & \\ & & & & \\ & & & \\ & & &$						PIN 3.5m	N4 N3 N3 er-4 0.025i*6mm 0.9is N2 N2 N1 BOBBIN	TOP - 2Ts - 2Ts	
	Winding	TABLE: Margin	PIN	Wire&Wire	Turns	Winding	Таре	Tube	
	No (组别)	Tape (档墙胶布)	(脚位)	Copper (线径)	(圈数)	Таре	Layer (胶带层次)		
	N 1	3.5mm/0	1 - 2	2UEW0.25Ø*1P	50Ts	密绕	2TS	26L*15mm/0	
	E1	3.5mm/0	Copper-4	0.025t*6mm	0.9TS	背胶	2TS		
	N2	3.5mm/0	10 - 11	0.7Ø*1P 三层绝缘线	8Ts	密绕	2TS	20L*11mm 20L*11mm	
	E2	3.5mm/0	Copper-4	0.025t*6mm	0.9TS	背胶	2TS		
	N3	3.5mm/0	2 - 3	2UEW0.25Ø*1P	16TS	密绕	2TS		
	N4	3.5mm/0	5 - 4	2UEW0.25Ø*1P	10TS	居中密绕	2TS		
1.PI 2. N 3.N 4.N 5. N 6.E	 NOTE: 1.PIN朝外制作,首绕组靠PIN端使用3.5mm挡墙。 2.N1密绕二层。 3.N2密绕一层,使用三层绝缘。 4.N3密绕一层。 5.N4密中绕一层。 6.E1,E2为内铜箔(背胶一层反折2mm MIN,铜箔两端用胶带9mm*21mm REF 加工),0.025t*6mm*0.9TS,接引线∅0.25*1P于PIN4。 								
		DN TRANS		CUSTOME				2015-11-3	
APPR	OVED	周春	主	CHECKED	罗	翠华	REPORTED	周春壬	
RDS04	41.030)7						5 of 8	



SPECIFICATION

	ITEM	MATERIAL		SUPF	PLIER		U	_ No.	TEMP RATING				
1	CORE	PQ2020 TP4 FP2	TDG SHENZHENS	TDG SHENZHENSHI LICI ELECTRICAL CO.,LTD									
2	BODDIN	T375J PQ2020 6-8pin 立式	CHANG CHU	JN PLASTIC	S CO.,LTD		E5	59481					
2	BOBBIN	PM9820 PQ2020 6-8pin立式	SUMITOMO	BAKELITE			E4	1429	150°C				
		TRW(B)	GREAT LEO	LON INDUS	STRLAL CO.,I	TD	E21	1989					
3	WIRE	POLYURETHANE ENAMELDCOPPER EIRE UEW-2	WA TAI ECT	ROTEHNICA		3	E24	3939	130°C				
4	TAPE	1350F-1&3M#44 TAF		3M COMPANY ELECTRICAL PRODUCTS DIV				E 3M COMPANY ELECTRICAL PRODUCTS DIV		AL PRODUCTS DIV		'385	130°C
		V1630FS	P D GEORG	P D GEORGE/VIKING				8071					
5 V#	VARNISH	BC-346A	JOHN C.DO	JOHN C.DOLPH.CO			E5 [.]	1047	130°C				
6	TUBE	TEFLON TUBE 150V 20	0°C GREAT HOL	GREAT HOLDING INDUSTRLAL CO.,LTD				56256	200°C				
7	COPPER	0.025*6mm+TAPE		Hong Kong Zhengexiang Industrial Dev.limited									
8	Label	Trnsparent dragon Black 2	5# GUANG MI	GUANG MING YOU TONG PRINTG FACTORY									
L													
ESC	CRIPTIO	N TRANSFORME	R Custome	r P/N	XF00	956	DATE	201	5-11-3				
APPROVED 周春壬 CHECKED 罗翠华 REPORTED 周春壬													



CONTENT

ENG MODEL NO: XF00957

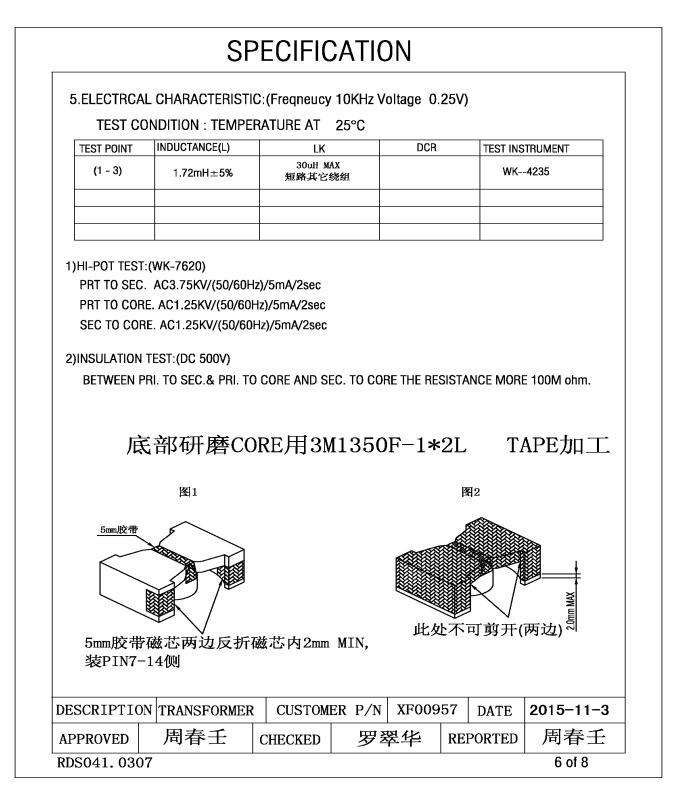
NO	DESCRIPTION						
1	OUTLINE DIMENSION						
2	SCHEMATIC						
3	WINDING SEQUENCE						
4	WINDING TABLE						
5	ELECTRCAL CHARACTERISTIC						
5.1	HI-POT TEST						
5.2	INSULATION TEST						
6	MATERIAL LIST						
7	CHUCUN TIAO JIAN CHAN PIN PACKING						

HISTORY

ENG MODEL NO:XF00957

NO	DATE	REMARK	REVISION	SIGN
1	2015-6-29	送承认	1	周春壬
2	2015-11-3	依ENG工程师:增加磁芯加工5mmPIN7-14侧,外围胶带 16mm变更为20mm,3mm挡墙变更为3.5mm,N1,54TS变更 50TS,N3,12TS变更为16TS,变更磁芯加工胶带3M 1350F-1*2层	2	周春壬

2.S	CHEMA	IIC:				DING SEQU	ENCE:	TOP
$\begin{array}{c c} PRI & SEC \\ \hline 3 & \hline N3 & \hline 1 & \hline 0 & N^2 \\ \hline 4 & \hline E1 E2 \\ \hline 2 & \hline M4 \\ \hline 1 & 1 & 1 \\ \hline 1 & \hline 2 & \hline 2 & \hline 1 & 1 & 1 & 1 \\ \hline 1 & \hline 2 & \hline 2 & \hline 1 & \hline 1 & 1 & 1 & 1 \\ \hline 1 & \hline 2 & \hline 2 & \hline 1 & \hline 2 & \hline 1 & \hline 2 & \hline 1 & 1$								
4.W	VINDING	TABLE:						
	Winding No (组别)	Margin Tape (档墙胶布)	PIN (脚位)	Wire&Wire Copper (线径)	Turns (圈数)	Winding Tape	Tape Layer (胶带层次)	Tube
F	N1	3.5mm/0	1 - 2	2UEW0.25Ø*1P	50⊤s	密绕	2TS	26L*15mm/0
	E1	3.5mm/0	Copper-4	0.025t*6mm	0.9TS	背胶	2TS	
	N2	3.5mm/0	9,10 - 11,12	0.35Ø*2P 三层绝缘线	13Ts	密绕	2TS	18L*11mm 18L*11mm
	E 2	3.5mm/0	Copper-4	0.025t*6mm	0.9TS	背胶	2TS	
-	N3	3.5mm/0	2 - 3	2UEW0.25Ø*1P	16TS	密绕	2TS	
-	N4	3.5mm/0	5 - 4	2UEW0.25Ø*1P	8TS	居中密绕	2TS	
2.] 3.N 4.N 5.] 6.E	IN朝外∰ N1密绕二 I2密绕二 I3密绕- I3密绕- N4密中 1, E2为	二层。 二层,使用 一层。 绕一层。 □内铜箔(]三层绝 背胶一)	N端使用3.5 缘。 丟反折2mm M ,接引线©0.2	IIN, 铜邻	皆两端用胞	ζ带9mm*21m	m REF
	DIDUT	ON TRANS	FODMED	CUSTOME	R P/N	XF009	57 DATE	2015-11-3
DESC	RIPTIC		FUNMEN					

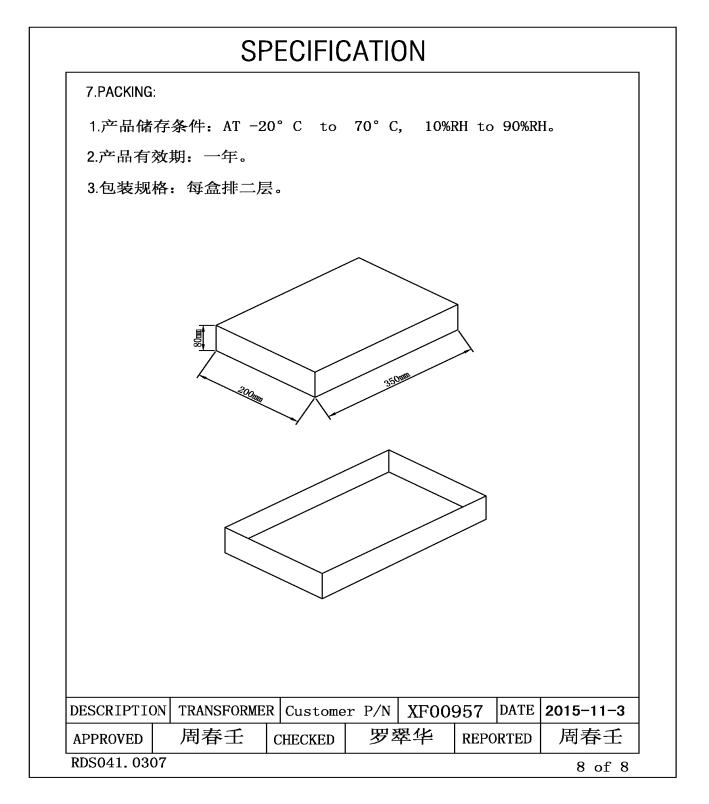


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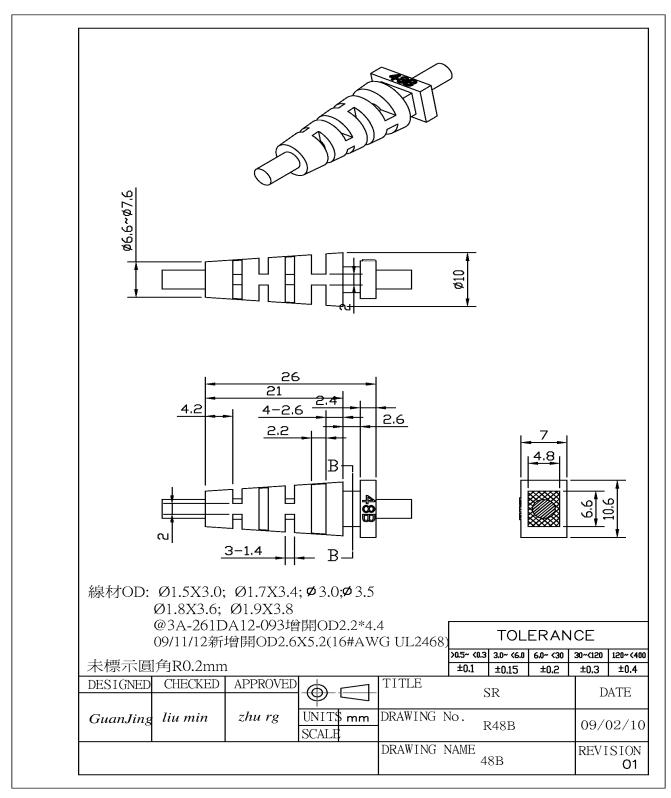
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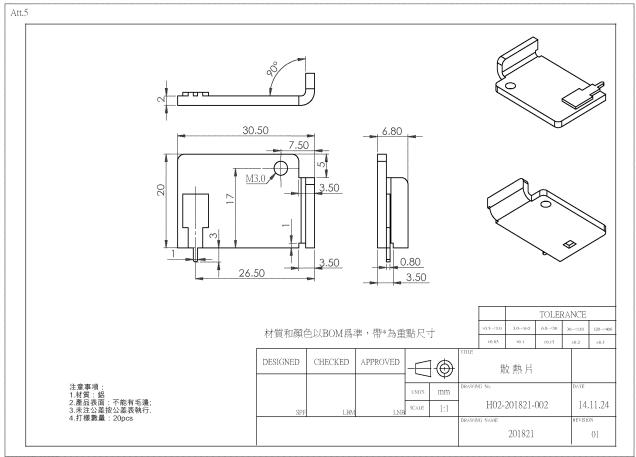
SPECIFICATION

	ITEM	MATERIAL		SUPF	LIER		U	L No.	TEMP Rating	
1	CORE	PQ2020 TP4 FP2	TDG SHENZHEN	TDG SHENZHENSHI LICI ELECTRICAL CO.,LTD						
2	BOBBIN	T375J PQ2020 6-8pin 立式	CHANG CH	JN PLASTIC	S CO.,LTD		E5	9481		
2	BUBBIN	PM9820 PQ2020 6-8pin立式	SUMITOM) BAKELITE			E4	1429	150°C	
		TRW(B)	GREAT LEO	Flon indus	TRLAL CO.,I	LTD	E21	11989		
3	WIRE	POLYURETHANE ENAMELDCOPPER EIRE UEW-2	WA TAI ECT	ROTEHNICA	MATERIALS	5	E24	13939	130°C	
4	TAPE	1350F-1&3M#44 TAPE	ЗМ СОМРАМ	3M COMPANY ELECTRICAL PRODUCTS DIV				7385	130°C	
5 VARNISH		V1630FS	P D GEORG	P D GEORGE/VIKING			E7:	3071		
		BC-346A	JOHN C.DO	JOHN C.DOLPH.CO			E5	1047	130℃	
6	TUBE	TEFLON TUBE 150V 200°	C GREAT HOL	GREAT HOLDING INDUSTRLAL CO.,LTD				56256	200°C	
7	COPPER	0.025*6mm+TAPE		Hong Kong Zhengexiang Industrial Dev.limited						
8	Label	Trnsparent dragon Black 25#	GUANG MI	GUANG MING YOU TONG PRINTG FACTORY						
	<u> </u>	1					I	_	I	
ESC	CRIPTIO	N TRANSFORMER	Custome	er P/N	XF00	957	DATE	201	5-11-3	
PP	ROVED	周春壬(CHECKED	罗圣	圣华	REPC	RTED	一尾	同春壬	

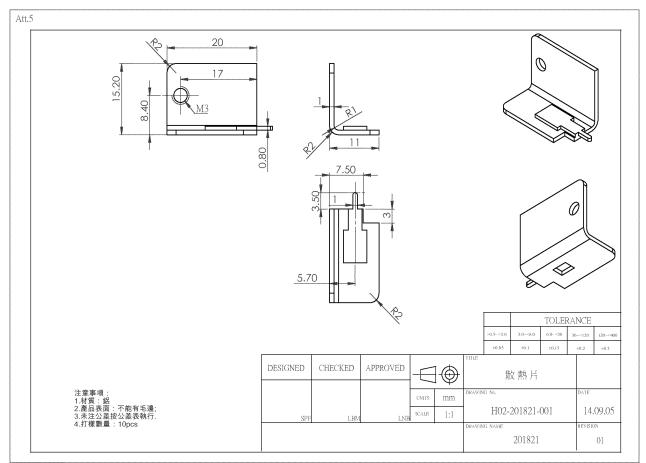


DIA-05

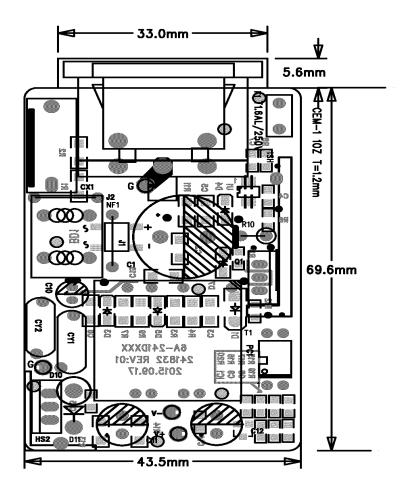


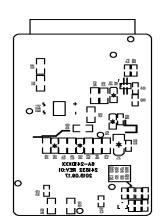


RDS-041 13.12

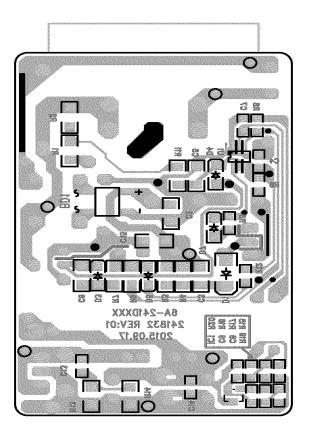


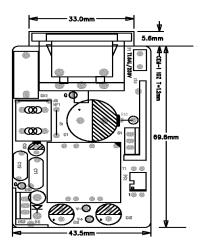
RDS-041 13.12





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GT model name	Output voltage	Output current	Max.W	Transformer
GT-46240-2412-TZ	12V	2.0A	24W	XF00956
GT-46240-2415-TZ	15V	1.6A	24W	VI-00320
GT-46240-2424-TZ	24V	1.0A	24W	XF00957

Report Reference #

Test Record No. 1

Tests on Model GT-46240-WWVV-X.X-TZ are not required due to copy file