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UL TEST REPORT AND PROCEDURE

Standard: 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)

Certification Type: Listing

CCN: QQGQ, QQGQ7 (Power Supplies for Information Technology

Equipment Including Electrical Business Equipment)

Product: ITE POWER SUPPLY **Model:** GT-46400-WWVV-X.X-T2

WW is the standard output wattage, with a maximum value of "40", VV is the standard rated output voltage designation, with a value of

"12" "15" "19"and "24";

-X.X denote the output voltage differentiator, subtracting X.X volts from standard output voltage VV in 0.1V increments, the actual output voltage rang is 12-24V, blank is to indicate the no voltage different.

Rating: I/P:

100-240Vac, 50-60Hz, 1.0A (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: Vivian Chen Reviewed by: Wei Chen

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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 -
 - 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 equipment for Class II, intended for use with Information Technology Equipment (ITE), there electronic components mounted on PWB, and housed in a thermoplastic enclosure by ultrasonic welding.

Model Differences

See enclosure ID 7-01 for details.

Technical Considerations

- Equipment mobility : movable
- 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 II (double insulated)
- 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. 0.208 kg
- 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: Pluggable A, Detachable power cord
- The product is intended for use on the following power systems: TN

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- The equipment disconnect device is considered to be: Appliance inlet
- The following accessible locations (with circuit/schematic designation) are within a limited current circuit: CY1 and CY2 secondary pin
- The following circuit locations (with circuit/schematic designation) were investigated as a limited power source (LPS): all outputs
- The following are available from the Applicant upon request: Installation (Safety) Instructions / Manual
- LEDs provided in the product are considered low power devices: Yes

Additional Information

4786905451: Authorized Copy form E163743-A156-UL-1 to E341351-A75, Change model name from 6A-301DA to GT-46400-WWVV-X.X-T2.

Markings and instruction	ons
Clause Title	Marking or Instruction Details
Power rating - Ratings	Ratings (voltage, frequency/dc, current)
Power rating - Company identification	Listee's or Recognized company's name, Trade Name, Trademark or File Number
Power rating - Model	Model Number
Power rating - Class II symbol	Symbol for Class II construction
	(60417-2-IEC-5172)
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 be conducted at the component manufacturer.

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Production-l	₋ine Testing Reqւ	uirements							
Electric Strength Test Special Constructions - Refer to Generic Inspection Instructions, Part AC for									
further information.									
		Removable	•	V		Test Time,			
Model	Component	Parts	Test probe location	rms	V dc	S			
all models	transformer T1		primary to secondary	300 0	4242	1			
Earthing Cor	ntinuity Test Exer	mptions - This t	est is not required for th	e followi	ng models:				
all models									
Electric Strength Test Exemptions - This test is not required for the following models: N/A									
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:									
Sample and	Test Specifics for	r Follow-Up Tes	ts at UL						
Model	Component	Material	Test	Sa	ample(s)	Test Specifics			

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1.5.1	TABLE: list of critica	I 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		Two pieces construction, secured together by ultrasonic welding, rated V-1 or better, 105degree C min. Minimum 2.0 mm thickness. See Enclosure/Diagram ID for dimensions	QMFZ2	UL	
02. Appliance Inlet	TECX-UNIONS TECHNOLOGY CORP	SO-222	Rated 250 V, 2.5 A, 105 degree C min. (C8 type)		UL	
02a. Appliance Inlet (alternate)	SUN FAIR ELECTRIC WIRE & CABLE (HK) CO LTD	S-01	Rated 250 V, 2.5 A, 75 degree C min. (C8 type)	AXUT2	UL	
02b. Appliance Inlet (alternate)	ZHEJIANG LECI ELECTRONICS CO LTD	DB-8	Rated 250 V, 2.5 A, 75 degree C min. (C8 type)	AXUT2	UL	
02c. Appliance Inlet (alternate)	ZHE JIANG BEI ER JIA ELECTRONIC CO LTD	ST-A03-005	Rated 250 V, 2.5 A, 75 degree C min. (C8 type)	AXUT2	UL	
03. Fuse (F1)	Various	Various	Listed, T2A, 250Vac	JDYX	UL	
03a. Fuse (F1) (Alternate)	CONQUER ELECTRONICS CO LTD	MST	Rated T2A, 250Vac.	JDYX2	UL	
03b. Fuse (F1) (Alternate)	EVER ISLAND ELECTRIC CO LTD & WALTER ELECTRIC	2010	Rated T2A, 250Vac.	JDYX2	UL	
03c. Fuse (F1) (Alternate)	HOLLYLAND CO LTD	5ET	Rated T2A, 250Vac.	JDYX2	UL	
03d. Fuse (F1) (Alternate)	BEL FUSE INC	RST	Rated T2A, 250Vac.	JDYX2	UL	
03e. Fuse (F1) (Alternate)	COOPER BUSSMANN LLC	SS-5	Rated T2A, 250Vac.	JDYX2	UL	

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03f. Fuse (F1) (Alternate)	LITTELFUSE WICKMANN WERKE	392	Rated T2A, 250Vac.	JDYX2	UL	
03g. Fuse (F1) (Alternate)	DONGGUAN BETTER ELECTRONIC TECHNOLOGY CO LTD	932	Rated T2A, 250Vac.	JDYX2	UL	
04. X-Capacitor (CX1) (optional)	Cheng Tung Industrial Co Ltd	СТХ	Rated max 0.33 uF, min 250 V, X1 or X2 type, 100 degree C. (Compliance with IEC 60384- 14)	FOWX2	UL	
04a. X-Capacitor (CX1) (optional) (Alternate)	Tenta Electric Industrial Co Ltd	MEX	Rated max 0.33uF, min 250 V, X1 or X2 type, 100 degree C. (Compliance with IEC 60384- 14)	FOWX2	UL	
04b. X-Capacitor (CX1) (optional) (Alternate)	Ultra Tech Xiphi Enterprise Co Ltd	HQX	Rated max 0.33 uF, min 250 V, X1 or X2 type, 100 degree C. (Compliance with IEC 60384- 14)	FOWX2	UL	
04c. X-Capacitor (CX1) (optional) (Alternate)	CARLI ELECTRONICS CO LTD	MPX	Rated max 0.33uF, min 250 V, X1 or X2 type, 100 degree C. (Compliance with IEC 60384- 14)	FOWX2	UL	
04d. X-Capacitor (CX1) (optional) (Alternate)	JOEY ELECTRONICS (DONG GUAN) CO LTD	MPX	Rated max 0.33uF, min 250 V, X1 or X2 type, 105 degree C. (Compliance with IEC 60384- 14)	FOWX2	UL	
04e. X-Capacitor (CX1) (optional) (Alternate)	XIANGTAI ELECTRONIC (SHENZHEN) CO LTD	MKP/MPX	Rated max 0.33uF, min 250 V, X1 or X2 type, 110 degree C. (Compliance with IEC 60384- 14)	FOWX2	UL	
05. Bleeder Resistors (R1, R2)			Max. 2M ohms, min. 1/4W			
06. Bridge Diode (BD1)			Rated 2A, minimum 600 V.			
07. Storage Capacitor (C1) (for for GT-46400-3612-T2, GT-46400-			Rated 400 V, max. 82uF, min. 105 degree C, provided with integral pressure relief			

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A015-T2, GT-46400- 4019-T2, GT-46400- 4024-T2)		1	_				
4024-T2 C73 Storage Capacitor C73 (C71) (for for GT-46400-3015-T2, GT-46400-3							
O7a. Storage Capacitor	1						
C1) (for for GT-46400-3012-T2, GT-46400-3015-T2, GT-46400-3015-T2, GT-46400-3024-T2)							
3012-T2, GT-46400-3015-T2, GT-46400-3015-T2, GT-46400-3024-T2)	07a. Storage Capacitor			Rated 400 V, max. 68uF, min.			
3015-T2, GT-46400-3019-T2, GT-46400-3024-T2)	(C1) (for for GT-46400-			105 degree C, provided with			
3019-T2, GT-46400-3024-T2)	3012-T2, GT-46400-			integral pressure relief			
3024-T2 08. Transistor (Q1) Various Various Rated 6-15 A, minimum 600 V.	3015-T2, GT-46400-						
3024-T2 08. Transistor (Q1) Various Various Rated 6-15 A, minimum 600 V.	3019-T2, GT-46400-						
O9. Bridge Capacitors (CY1, CY2) (optional) Co Ltd SE, SB CY1 rated max. 2200pF; CY2 rated max. 100pF, min. 250 Vac, 125 degree C, Y1 type. (Compliance with IEC 60384-14) O9a. Bridge Capacitors (CY1, CY2) (optional) (Alternate) TDK-EPC (COMPORATION CORPORATION CORPORATION CORPORATION CORPORATION CORPORATION CORPORATION CY1 rated max. 2200pF; CY2 rated max. 100pF, min. 250 Vac, 125 degree C, Y1 type. (Compliance with IEC 60384-14) O9b. Bridge Capacitors (CY1, CY2) (optional) (Alternate) CY1 rated max. 2200pF; CY2 rated max. 100pF, min. 250 Vac, 125 degree C, Y1 type. (Compliance with IEC 60384-14) O9c. Bridge Capacitors Haohua Electronic CT 7 CY1 rated max. 2200pF; CY2 FOWX2 UL	3024-T2)						
CY1, CY2) (optional) Co Ltd rated max. 100pF, min. 250 Vac, 125 degree C, Y1 type. (Compliance with IEC 60384-14)	08. Transistor (Q1)	Various	Various	Rated 6-15 A, minimum 600 V.			
CY1, CY2) (optional) Co Ltd rated max. 100pF, min. 250 Vac, 125 degree C, Y1 type. (Compliance with IEC 60384-14)	09. Bridge Capacitors	Success Electronics	SE, SB		FOWX2	UL	
Vac, 125 degree C, Y1 type. (Compliance with IEC 60384- 14) 09a. Bridge Capacitors (CY1, CY2) (optional) (Alternate) TDK-EPC CORPORATION CORPORATION CORPORATION CORPORATION CORPORATION CORPORATION AH CY1 rated max. 2200pF; CY2 rated max. 100pF, min. 250 Vac, 125 degree C, Y1 type. (Compliance with IEC 60384- 14) CY1 rated max. 2200pF; CY2 rated max. 2200pF; CY2 rated max. 100pF, min. 250 Vac, 125 degree C, Y1 type. (Compliance with IEC 60384- 14) O9c. Bridge Capacitors Haohua Electronic CT 7 CY1 rated max. 2200pF; CY2 FOWX2 UL		Co Ltd	,				
(Compliance with IEC 60384- 14) 09a. Bridge Capacitors (CY1, CY2) (optional) (Alternate) TDK-EPC CORPORATION CORPORATION CORPORATION CORPORATION CORPORATION TDK-EPC CORPORATION CO							
09a. Bridge Capacitors (CY1, CY2) (optional) (Alternate) TDK-EPC (CORPORATION CORPORATION TDK-EPC (CY1 rated max. 2200pF; CY2 rated max. 100pF, min. 250 Vac, 125 degree C, Y1 type. (Compliance with IEC 60384-14) 09b. Bridge Capacitors (CY1, CY2) (optional) (Alternate) Walsin Technology (Corp Vac, 125 degree C, Y1 type. (Compliance with IEC 60384-14) O9c. Bridge Capacitors Haohua Electronic CT 7 CY1 rated max. 2200pF; CY2 FOWX2 UL FOWX2 UL FOWX2 UL				(Compliance with IEC 60384-			
(CY1, CY2) (optional) (Alternate) CORPORATION rated max. 100pF, min. 250 Vac, 125 degree C, Y1 type. (Compliance with IEC 60384- 14) O9b. Bridge Capacitors (CY1, CY2) (optional) (Alternate) Walsin Technology Corp AH CY1 rated max. 2200pF; CY2 rated max. 100pF, min. 250 Vac, 125 degree C, Y1 type. (Compliance with IEC 60384- 14) O9c. Bridge Capacitors Haohua Electronic CT 7 CY1 rated max. 2200pF; CY2 FOWX2 UL				14)			
(Alternate) Vac, 125 degree C, Y1 type. (Compliance with IEC 60384- 14) O9b. Bridge Capacitors (CY1, CY2) (optional) (Alternate) Walsin Technology Corp AH CY1 rated max. 2200pF; CY2 rated max. 100pF, min. 250 Vac, 125 degree C, Y1 type. (Compliance with IEC 60384- 14) O9c. Bridge Capacitors Haohua Electronic CT 7 CY1 rated max. 2200pF; CY2 FOWX2 UL	09a. Bridge Capacitors	TDK-EPC	CD	CY1 rated max. 2200pF; CY2	FOWX2	UL	
(Alternate) Vac, 125 degree C, Y1 type. (Compliance with IEC 60384- 14) O9b. Bridge Capacitors (CY1, CY2) (optional) (Alternate) Walsin Technology Corp AH CY1 rated max. 2200pF; CY2 rated max. 100pF, min. 250 Vac, 125 degree C, Y1 type. (Compliance with IEC 60384- 14) O9c. Bridge Capacitors Haohua Electronic CT 7 CY1 rated max. 2200pF; CY2 FOWX2 UL	(CY1, CY2) (optional)	CORPORATION		rated max. 100pF, min. 250			
09b. Bridge Capacitors (CY1, CY2) (optional) (Alternate) Walsin Technology Corp AH CY1 rated max. 2200pF; CY2 rated max. 100pF, min. 250 Vac, 125 degree C, Y1 type. (Compliance with IEC 60384-14) O9c. Bridge Capacitors Haohua Electronic CT 7 CY1 rated max. 2200pF; CY2 FOWX2 UL							
09b. Bridge Capacitors Walsin Technology AH CY1 rated max. 2200pF; CY2 rated max. 100pF, min. 250 FOWX2 (Alternate) Vac, 125 degree C, Y1 type. (Compliance with IEC 60384-14) (CY1 rated max. 2200pF; CY2 FOWX2 UL				(Compliance with IEC 60384-			
(CY1, CY2) (optional) (Alternate) Corp rated max. 100pF, min. 250 Vac, 125 degree C, Y1 type. (Compliance with IEC 60384- 14) O9c. Bridge Capacitors Haohua Electronic CT 7 CY1 rated max. 2200pF; CY2 FOWX2 UL				14)			
(Alternate) Vac, 125 degree C, Y1 type. (Compliance with IEC 60384- 14) 09c. Bridge Capacitors Haohua Electronic CT 7 CY1 rated max. 2200pF; CY2 FOWX2 UL	09b. Bridge Capacitors	Walsin Technology	AH	CY1 rated max. 2200pF; CY2	FOWX2	UL	
(Alternate) Vac, 125 degree C, Y1 type. (Compliance with IEC 60384- 14) 09c. Bridge Capacitors Haohua Electronic CT 7 CY1 rated max. 2200pF; CY2 FOWX2 UL	(CY1, CY2) (optional)	Corp		rated max. 100pF, min. 250			
09c. Bridge Capacitors Haohua Electronic CT 7 CY1 rated max. 2200pF; CY2 FOWX2 UL		·		Vac, 125 degree C, Y1 type.			
09c. Bridge Capacitors Haohua Electronic CT 7 CY1 rated max. 2200pF; CY2 FOWX2 UL				(Compliance with IEC 60384-			
				14)			
	09c. Bridge Capacitors	Haohua Electronic	CT 7	CY1 rated max. 2200pF; CY2	FOWX2	UL	
(CY1, CY2) (optional) Co rated max. 100pF, min. 250	(CY1, CY2) (optional)	Co		rated max. 100pF, min. 250			
(Alternate) Vac, 125 degree C, Y1 type.							
(Compliance with IEC 60384-							
14)							
09d. Bridge Capacitors XIANGTAI YOB, YOF, YOE CY1 rated max. 2200pF; CY2 FOWX2 UL	09d. Bridge Capacitors		YOB, YOF, YOE	CY1 rated max. 2200pF; CY2	FOWX2	UL	
(CY1, CY2) (optional) ELECTRONIC rated max. 100pF, min. 250		ELECTRONIC		rated max. 100pF, min. 250			
(Alternate) (SHENZHEN) CO Vac, 125 degree C, Y1 type.		(SHENZHEN) CO					
LTD (Compliance with IEC 60384-		LTD		(Compliance with IEC 60384-			
14)				14)			
10. Optical Isolator Lite-On Technology LTV-817 Isolation: 5000 Vac, minimum FPQU2 UL	10. Optical Isolator	Lite-On Technology	LTV-817	Isolation: 5000 Vac, minimum	FPQU2	UL	
(PC1) Corp 100 degree C.	(PC1)	Corp		100 degree C.			

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10a. Optical Isolators	Everlight Electronics	EL817	Isolation: 5000 Vac, minimum	FPQU2	UL
(PC1) (Alternate)	Co Ltd	144040	110 degree C.	======	
10b. Optical Isolators	COSMO	K1010	Isolation voltage minimum 5000	FPQU2	UL
(PC1) (Alternate)	ELECTRONICS		Vac, minimum 115 degree C.		
	CORP				
10c. Optical Isolators	BRIGHT LED	BPC-	Isolation voltage minimum 5000	FPQU2	UL
(PC1) (Alternate)	ELECTRONICS	817XXXXXX,	Vac, minimum 100 degree C.		
	CORP	BPC-			
		817MXXXXXX,			
		BPC-			
		817SXXXXXX,			
		where XXXXXX			
		can be any			
		alphanumeric			
		character or			
		blank.			
10d. Optical Isolators	RENESAS	PS2561-1	Isolation voltage minimum 5000	FPQU2	UL
(PC1) (Alternate)	ELECTRONICS		Vac, minimum 100 degree C.		
	CORPORATION				
11. Line filter (NF1)	Various	NF00025	Open type construction. Rated		
(Optional)			105 dehree C.		
11a Core	Various	Various	Ferrite, toroidal, measured		
			overall approx. 8mm OD by 4		
			mm ID by 4 mm wide.		
11b Coil	Various	Various	Rated minimum 105 degree C.	OBMW2	UL
12. Line filter (NF2)	Various	NF00124	Open type construction. Rated		
(Optional)			105 dehree C.		
12a Core	Various	Various	Ferrite, toroidal, measured		
			overall approx. 16mm OD by		
			12 mm ID by 8 mm wide.		
12b Coil	Various	Various	Rated minimum 105 degree C.	OBMW2	UL
13. Varistor (MOV1)	CENTRA SCIENCE	CNR 14V511K	Rated minimum 300 Vac,	VZCA2	UL, C-UL
(optional)	CORP		minimum 385 Vdc.		
13a. Varistor (MOV1)	CENTRA SCIENCE	CNR 10V471K,	Rated minimum 300 Vac,	VZCA2	UL, C-UL
(optional) (Alternate)	CORP	CNR 14D471K	minimum 385 Vdc.		
13b. Varistor (MOV1)	CENTRA SCIENCE	CNR 14D511K	Rated minimum 300 Vac,	VZCA2	UL, C-UL
(optional) (Alternate)	CORP		minimum 385 Vdc.		

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13c. Varistor (MOV1) (optional) (Alternate)	JOYIN CO LTD	10N511K, 10N471K	Rated minimum 300 Vac, minimum 385 Vdc.	VZCA2	UL, C-UL
13d. Varistor (MOV1)	JOYIN CO LTD	14N471K,	Rated minimum 300 Vac,	VZCA2	UL, C-UL
(optional) (Alternate)	JOTH OO LIB	14N511K,	minimum 385 Vdc.	VZOAZ	0L, 0-0L
(optional) (vitemate)		14S511K	Triminiani coc vac.		
13e. Varistor (MOV1)	THINKING	TVR 10471K,	Rated minimum 300 Vac,	VZCA2	UL, C-UL
(optional) (Alternate)	ELECTRONIC	TVR 10511K,	minimum 385 Vdc.		
(INDUSTRIAL CO	TVR 10471-V			
	LTD				
13f. Varistor (MOV1)	THINKING	TVR 14471K,	Rated minimum 300 Vac,	VZCA2	UL, C-UL
(optional) (Alternate)	ELECTRONIC	TVR 14511K	minimum 385 Vdc.		
	INDUSTRIAL CO				
	LTD				
13g. Varistor (MOV1)	CERAMATE	GNR 14D471K,	Rated minimum 300 Vac,	VZCA2	UL, C-UL
(optional) (Alternate)	TECHNICAL CO LTD		minimum 385 Vdc.		
13h. Varistor (MOV1)	CERAMATE	GNR10D471K	Rated minimum 300 Vac,		
(optional) (Alternate)	TECHNICAL CO LTD		minimum 385 Vdc.		
13i. Varistor (MOV1)	SUCCESS	SVR10D471K,	Rated minimum 300 Vac,	VZCA2	UL, C-UL
(optional) (Alternate)	ELECTRONICS CO	SVR10D511K	minimum 385 Vdc.		
	LTD				
13j. Varistor (MOV1)	SUCCESS	SVR14D471K,	Rated minimum 300 Vac,	VZCA2	UL, C-UL
(optional) (Alternate)	ELECTRONICS CO	SVR14D511K	minimum 385 Vdc.		
	LTD	\/=			
14. Transformer (T1) (for		XF00928	Class B, See Enclosure /		
12V)			Diagram IDfor		
44 Transferred (T4) (for		VE00040	construction details.		
14. Transformer (T1) (for		XF00942	Class B, See Enclosure /		
15V)			Diagram ID for		
14 Transfermer (T1) /fer		VE00042	construction details.		
14. Transformer (T1) (for		XF00943	Class B, See Enclosure /		
19V)			Diagram ID for construction details.		
14. Transformer (T1) (for		XF00944	Class B, See Enclosure /		
24V)		/ 1003 11	Diagram ID for		
<u> </u>			construction details.		
14-01. Insulation system		130-1	Insulation system Class B (130	OBJY2	UL
for Transformer (T1)		100 1	degree C, adapted form	02012	
13. 1.4.10.011101 (1.7)	<u> </u>	<u> </u>	Tabylob o, adaptod form	1	

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			GREAT LEOFLON		
			INDUSTRIAL CO LTD, Type GH-130)		
14-02. Core			EE type, Ferrite, dimension 8mm OD,		
14-03. Coil			130 degree C	OBMW2	UL
14-04. Bobbin	Chang Chun Plastics Co., Ltd.	T375J	V-0, 150degree C, Phenolic, thickness 0.8mm minimum	QMFZ2	UL
14-04a. Bobbin (Alternate)	SUMITOMO BAKELITE CO LTD	PM-9820	V-0, 150degree C, Phenolic, thickness 0.71mm minimum	QMFZ2	UL
14-05. Tubing/Sleeving	Great Holding Industrial Co. Ltd.	TFL, TFS, TFT	Rated 200 degree C, VW-1, 600V max.	YDPU2	UL
14-06. Triple Insulated Wire	Great Leoflon Industrial Co. Ltd.	TRW(B)	130 degree C	OBJT2	UL
14-07. Varnish (Alternate)	Elantas Electrical Insulation Elantas Pdg Inc	V1630FS	Rated minimum 130 degree C.	OBOR2	UL
14-07a. Varnish (Alternate)	JOHN C DOLPH CO	BC-346A	Rated minimum 130 degree C.	OBOR2	UL
14-08. Insulation Tape	3M Company	1350F-1, 1350T-1		OANZ2	UL
14-08a. Insulation Tape (Alternate)	BONDTEC PACIFIC CO LTD	370S	130 degree C.	OANZ2	UL
15. Internal Glue Materials			Rated V-2 minimum.	QMFZ2	UL
16. Internal Plastic Part Materials			Rated minimum V-2.	QMFZ2	UL
17. Strain Relief Of Output Cord	Various	Various	Minimum 300 V, 80 degree C, maximum 3.05 m, marked VW-1 or FT-1. Suitable for external use. Refer to Enclosure/Diagram for strain relief dimension details.	QMFZ2	UL
18. PWB	Various	Various	V-0 or better, minimum 130 degree C.	ZPMV2	
19. Label	Various	Various	Minimum 70 degree C. if maximum surface temperature not specified.	PGDQ2, PGJI2	UL

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20. Heat Sink (HS1) (Consideration as Primary)	Various	Various	Aluminum, minimum 2.0 mm thick. See Enclosure for detailed dimensions.	 	
21. Heat Sink (HS2) (Consideration as secondary)	Various	Various	Aluminum, minimum 1.0 mm thick. See Enclosure for detailed dimensions.	 	
22. LPS resistor (R10) (for GT-46400-3612-T2, GT-46400-4019-T2, GT- 46400-4024-T2)			0.56 ohm, 2W.	 	
22. LPS resistor (R10) (for GT-46400-4015-T2)			0.51 ohm, 2W.	 	
22. LPS resistor (R10) (for GT-46400-3012-T2)			0.62 ohm, 2W.	 	
22. LPS resistor (R10) (for GT-46400-3015-T2)			0.68ohm, 2W.	 	
22. LPS resistor (R10) (for GT-46400-3019-T2, GT-46400-3024-T2)			0.75 ohm, 2W.	 	