

1.0 Reference and Address			
Report Number	240500746SHA-001	Original Issued: 7-Mar-2025	Revised: None
Standard(s)	Power Units other than Class 2 [UL 1012:2010 Ed.8+R:30Mar2021] Battery Chargers (R2021) [CSA C22.2#107.2:2001 Ed.2+U1;U2]		
Applicant	GlobTek, Inc.	Manufacturer 1	GlobTek (Suzhou) Co., Ltd.
Address	186 Veterans Drive NORTHVALE NJ 07647	Address	Building 4 No. 76 JinLing East Road Suzhou Industrial Park SUZHOU Jiangsu 215021
Country	USA	Country	CHINA
Contact	Mike Krakovyak	Contact	Demon Zhou
Phone	(201)784-1000 ext106	Phone	86 512 6279 0301
FAX	-	FAX	-
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2.0 Product Description	
Product	Building-in power supply unit
Brand name	GlobTek
Description	The products covered by this report are building-in power supply unit. They are open frame type and Potted/Encapsulated type.
Models	GT followed by M, - or H; followed by 962250P, 962251P or 962252P; followed by 001 to 225; followed by 12 to 36; may be followed by .0 to .9; may be followed by A to H; may be followed by -C or -D; may be followed by F, -F, FW or -FW; may be followed by 6 characters.
Model Similarity	GT followed by M, - or H for market identification. Followed by 962250P, 962251P or 962252P, denotes the different mechanical construction, "962250P" means open frame, "962251P" means L frame, "962252P" means full cage frame. Followed by 001 to 225, denote rated output power from 1W to 225W, in step of 1 denote 1W. Followed by 12 to 36 and may be followed by .0 to .9, denote rated output voltage from 12.0V to 36.0Vdc, in step of 0.1 denote 0.1V. May be followed by A to H, denote the AUX Output voltage. May be followed by -C or -D, denote the PCB size, Blank means 2"x4", -C means 3"x5", -D means 7"x4.22". May be followed by F, -F, FW or -FW, denote the input method: F or -F means Open Frame class I or class II with functional earth; FW or -FW means Open Frame class II. May be followed by 6 characters for marketing purposes.
Ratings	Input: 100-240V~, 50-60Hz or 50/60Hz, 3A Output: 12.0 to 36.0VDC, max. 18.75A, max. 225W
Other Ratings	NA
Conditions of Acceptability	The products covered in this Report are incomplete in construction features or limited in performance capabilities and are intended for use and evaluation in other products. Consideration should be given to the following when the component is used in or with another product. 1. Suitability of the enclosure should be evaluated when installed in the end product. 2. Temperature Testing should be performed on this component when installed in the end product. 3. Mechanical Abuse Tests (e.g. Drop, Impact) were not conducted and shall be considered in the end product. 4. Leakage current test, Leakage Current Test and Dielectric Voltage Withstand after Humidity Exposure, and Dielectric Voltage-Withstand Test were performed only built-in power supply

3.0 Product Photographs

Photo 1 - External view of model GT*962250P****-F

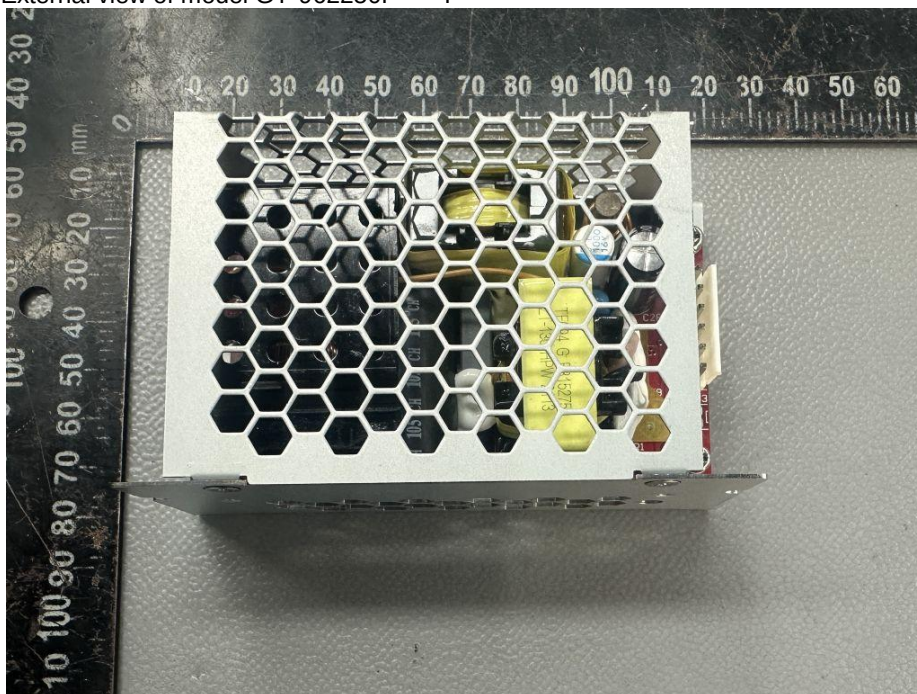
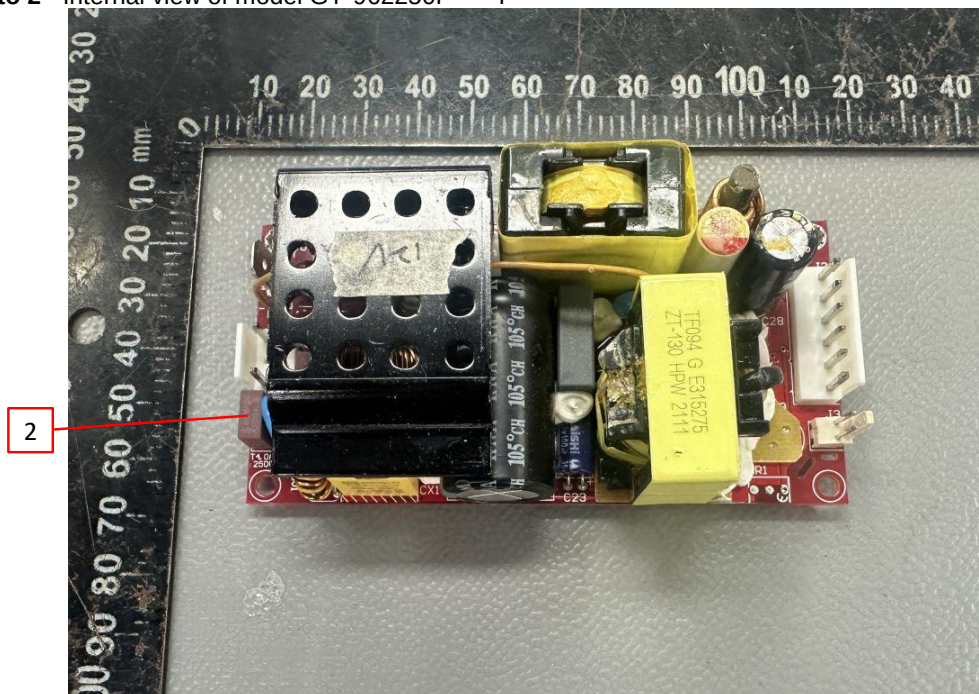


Photo 2 - Internal view of model GT*962250P****-F



3.0 Product Photographs

Photo 3 - PCB of model GT*962250P****-F

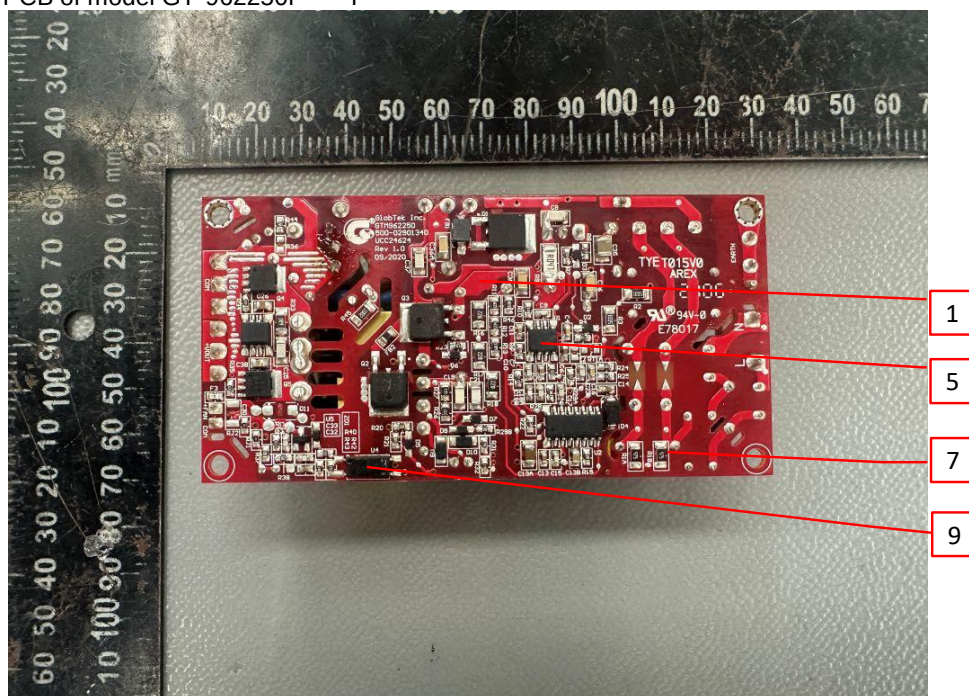
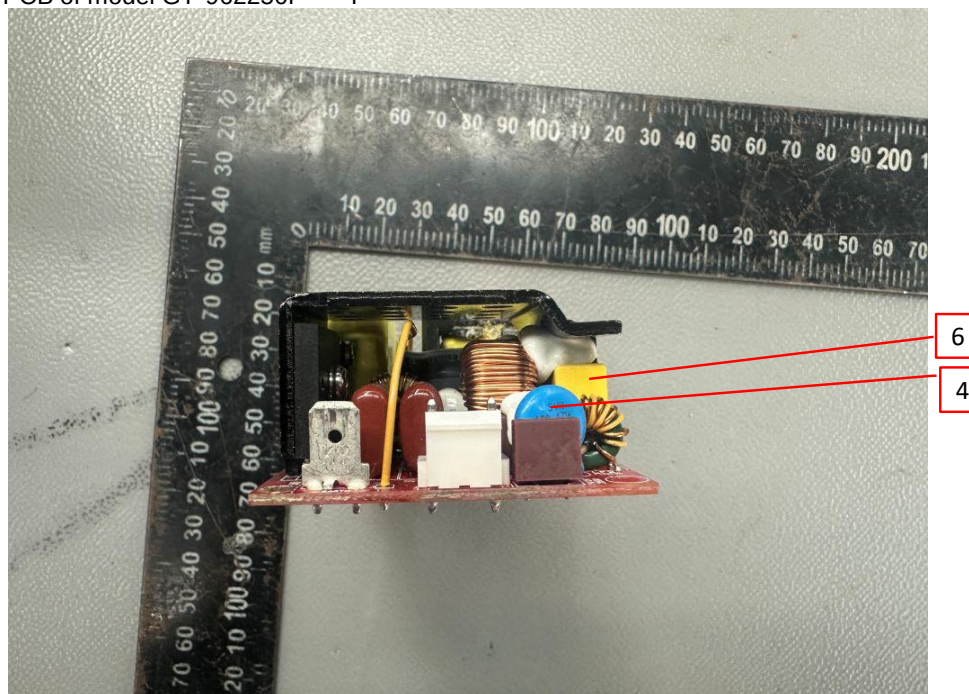


Photo 4 - PCB of model GT*962250P****-F



3.0 Product Photographs

Photo 5 - PCB of model GT*962250P****-F

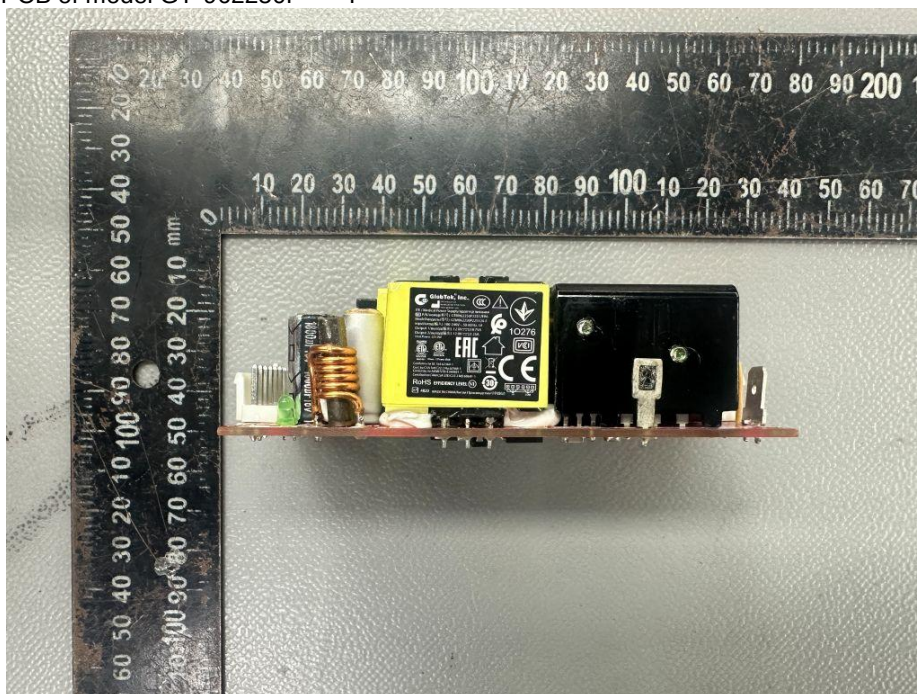
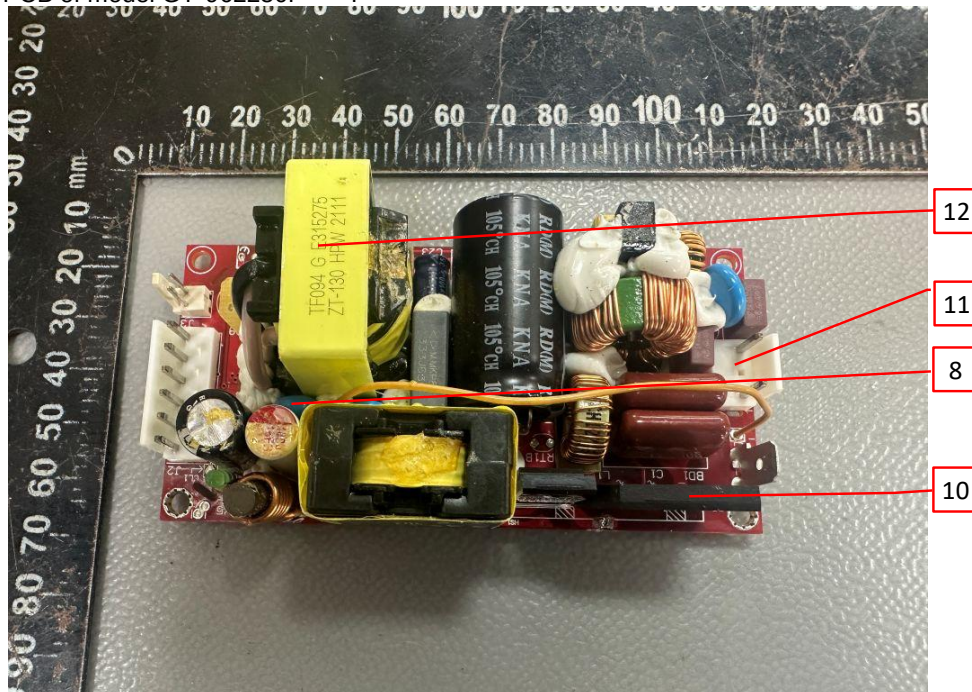


Photo 6 - PCB of model GT*962250P****-F



3.0 Product Photographs

Photo 7 - External view of model GT*962251P***-F

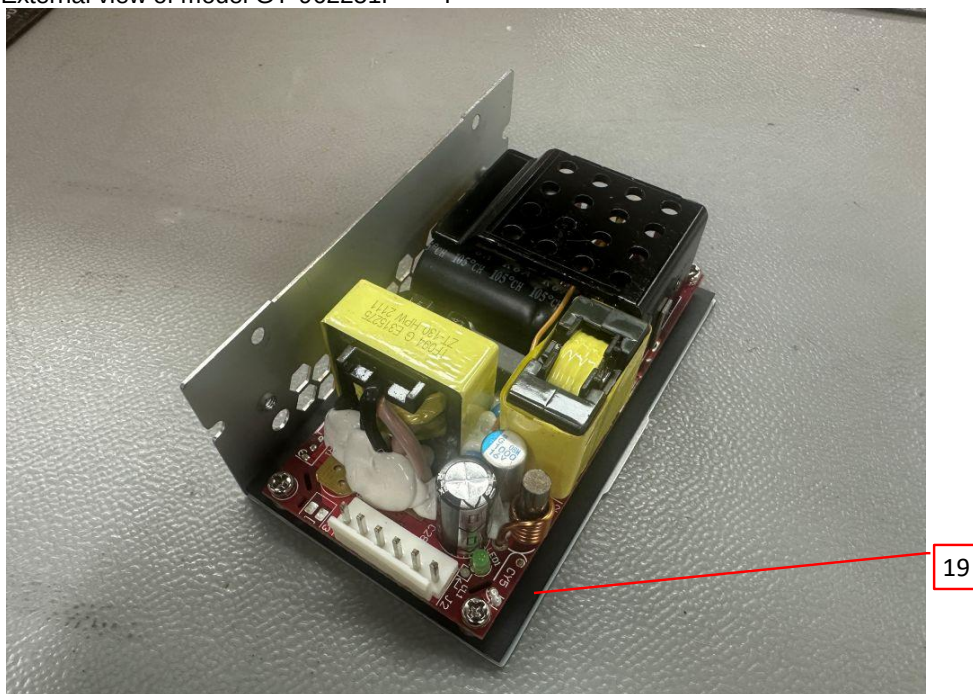
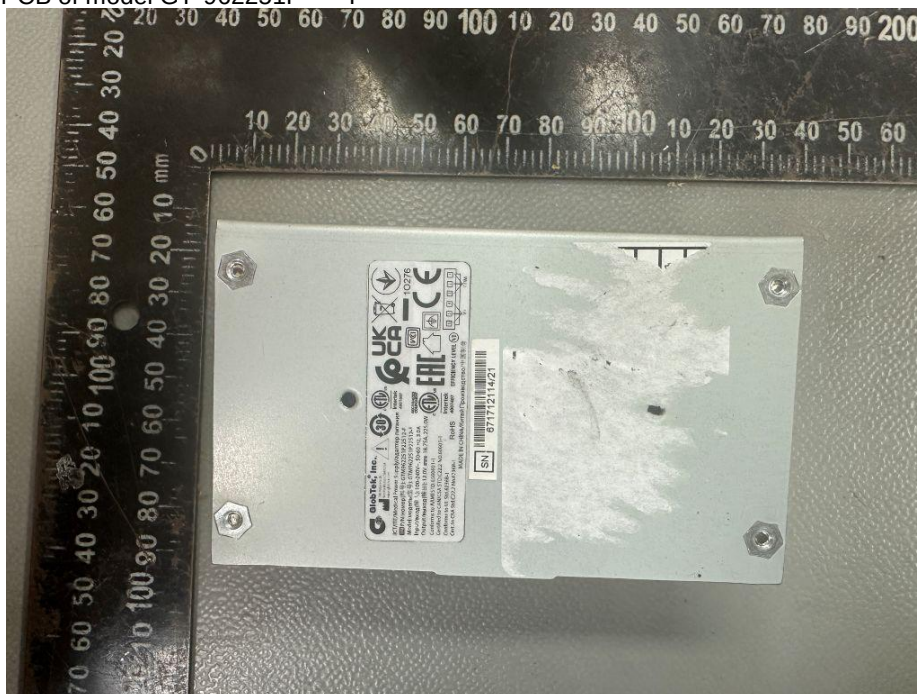


Photo 8 - PCB of model GT*962251P***-F

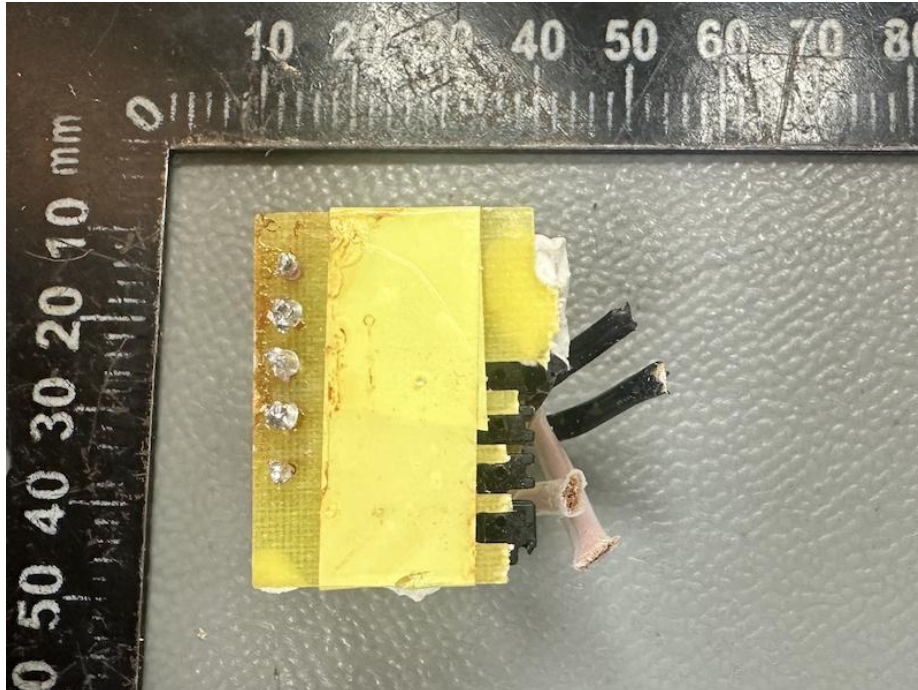


3.0 Product Photographs

Photo 9 - Transformer



Photo 10 - Transformer



3.0 Product Photographs

Photo 11 - Transformer

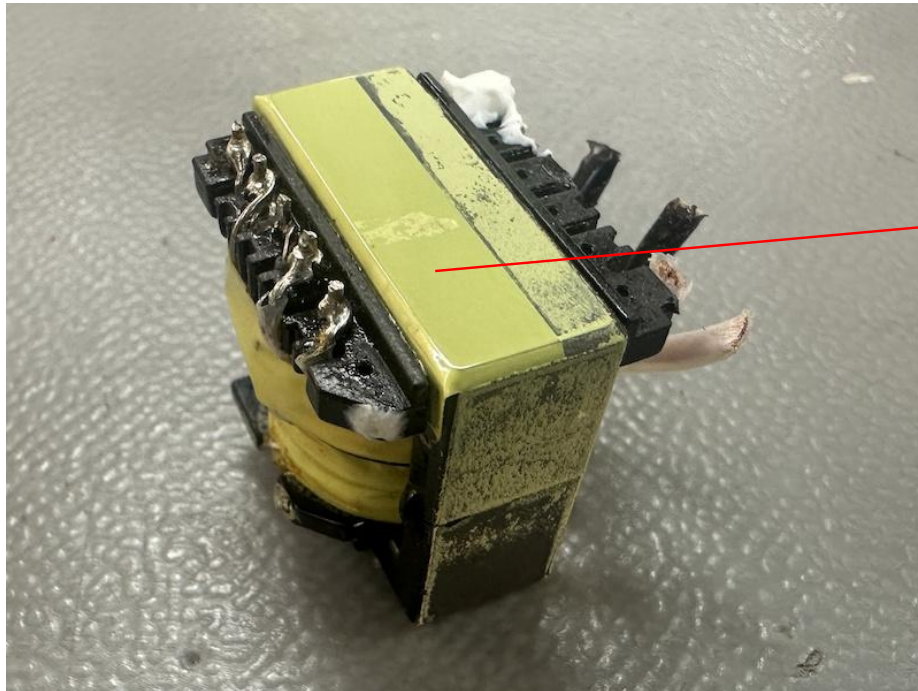


Photo 12 - Transformer



3.0 Product Photographs

Photo 13 - Transformer

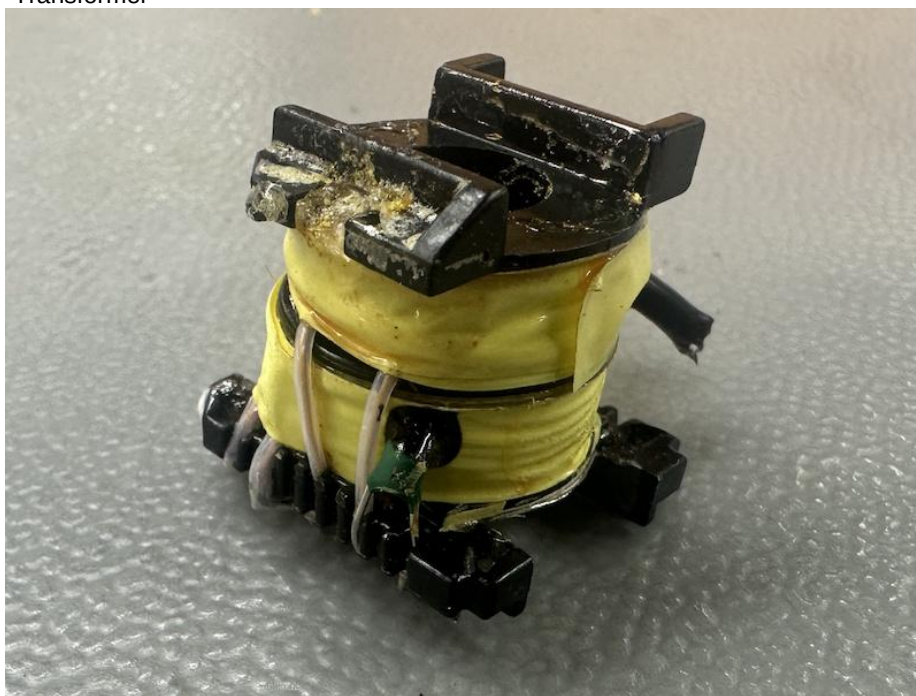


Photo 14 - Transformer



3.0 Product Photographs

Photo 15 - Transformer

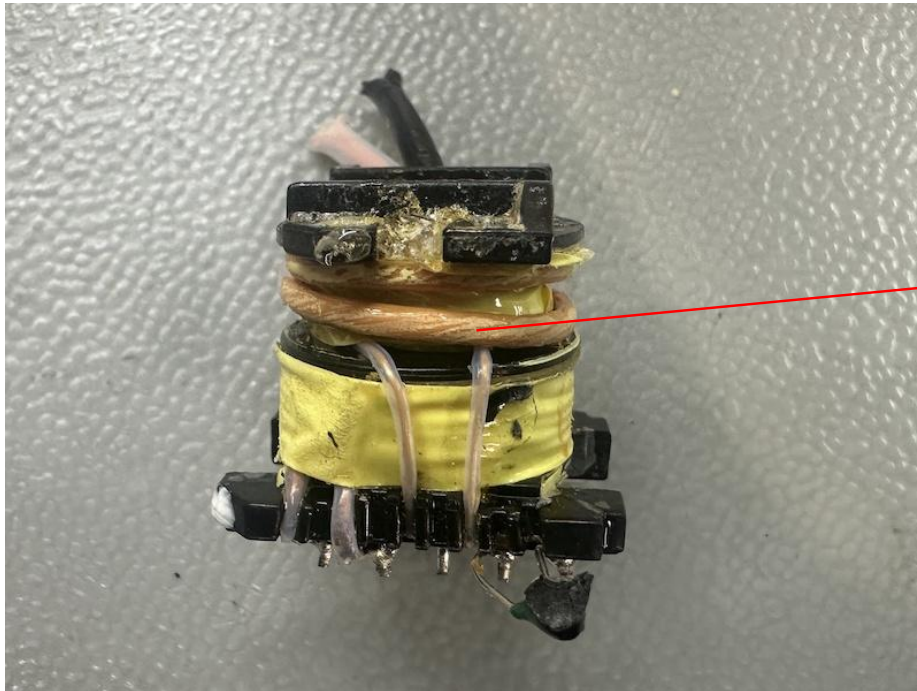
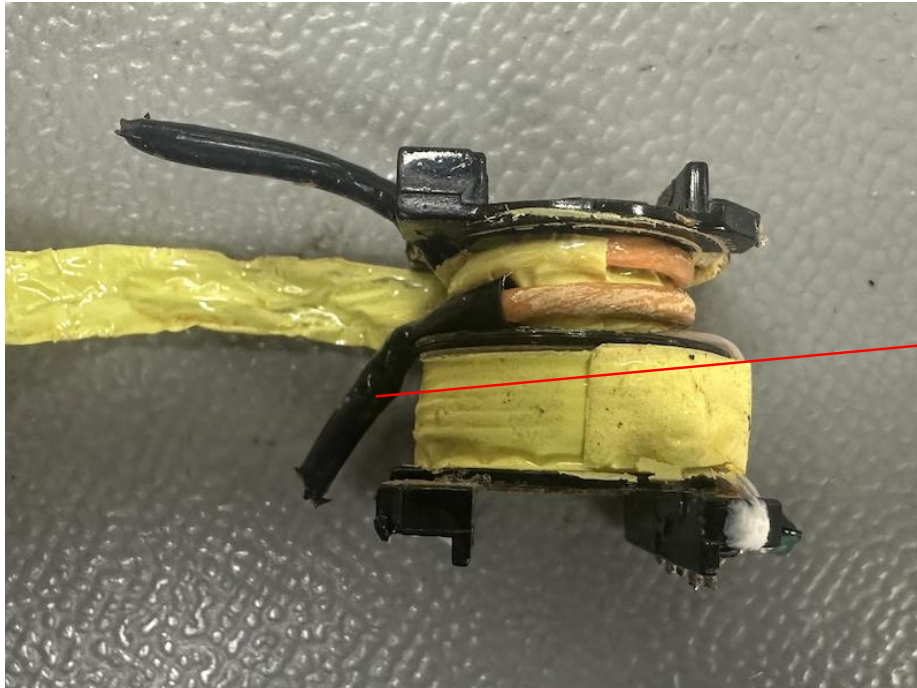


Photo 16 - Transformer



3.0 Product Photographs

Photo 17 - Transformer



Photo 18 - Transformer



3.0 Product Photographs

Photo 19 - Transformer

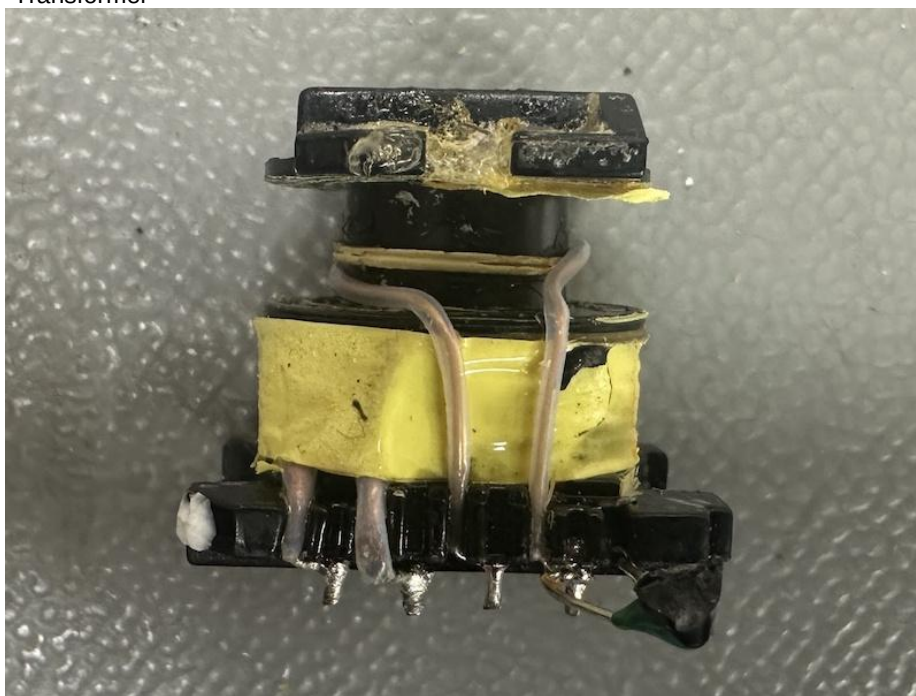
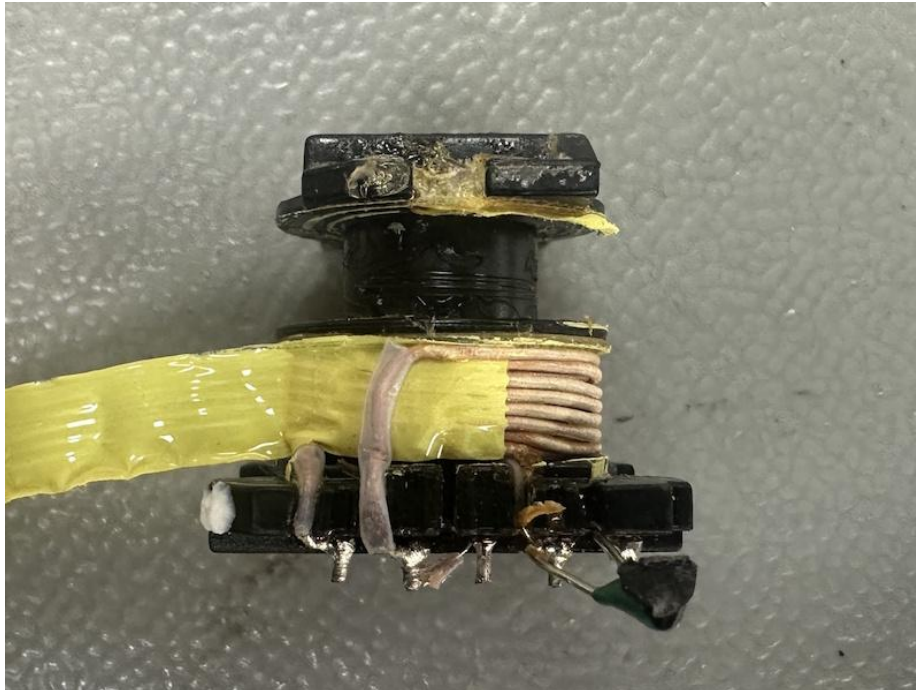
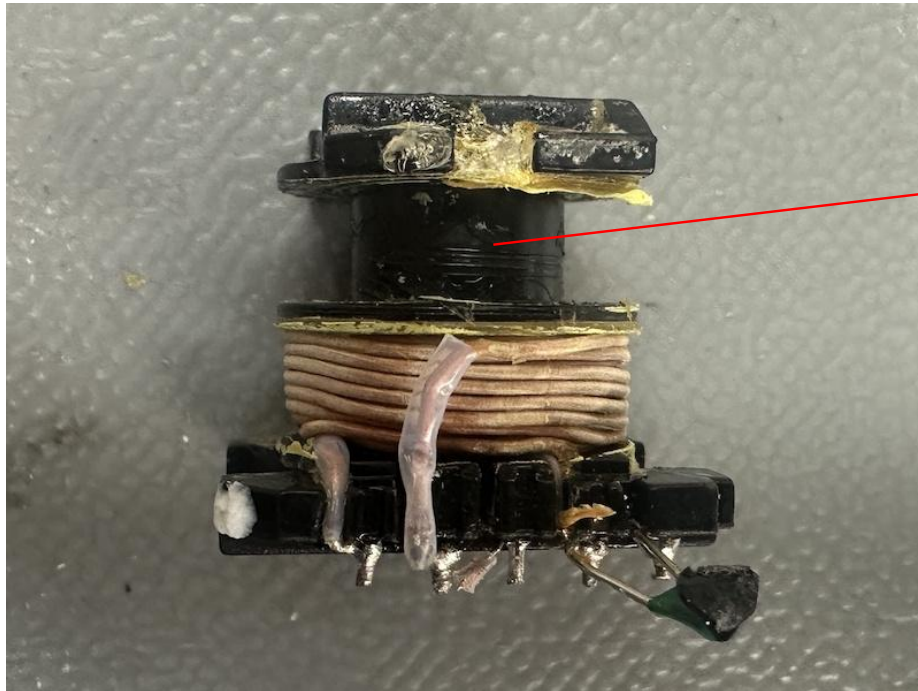


Photo 20 - Transformer



3.0 Product Photographs

Photo 21 - Transformer



4.0 Critical Components						
Photo #	Item no. ¹	Name	Manufacturer/ trademark ²	Type / model ²	Technical data and securement means	Mark(s) of conformity ³
3	1	PCB	Various	Various	Min. V-0, Min. 130°C Min. thickness 1.5mm	cURus or cETLus Recognized
2	2	Fuse	Conquer Electronics Co Ltd (UL E82636)	UDA	For F1, F2, F2 is optional; T4A, 250Vac	cURus
				MST		
			Suzhou Walter Electronic Co Ltd (UL E56092)	TSC	For F1, F2, F2 is optional; T4A, 250Vac	cURus
				2010		
				ICP		
			Bel Fuse Ltd. (UL E20624)	RST	For F1, F2, F2 is optional; T4A, 250Vac	cURus
			Dongguan Better Electronics Technology Co., Ltd. (UL E300003)	932	For F1, F2, F2 is optional; T4A, 250Vac	cURus
2	3	Heat shrinkable tube (Optional, not shown)	Zhong Shan Lanbao Electrical Appliances Co Ltd (UL E213695)	RTI-10	For F1, F2, F2 is optional; T4A, 250Vac	cURus
			Shenzhen Woer Heat-Shrinkable Material Co Ltd (UL E203950)	RSFR	Used on F1 and F2; 600Vac, 125°C, VW-1	cURus
				RSFR-H		
				RSFR-HPF		
			QIFURUI ELECTRONICS CO (UL E225897)	QFR-h	Used on F1 and F2; 600Vac, 125°C, VW-1	cURus
			DONGGUAN SALIPT CO LTD (UL E209436)	SALIPT S-901-300	Used on F1 and F2; 300Vac, 125°C, VW-1	cURus
			GUANGZHOU KAIHENG ENTERPRISE GROUP (UL E214175)	K-2 (CB)	Used on F1 and F2; 300Vac, 125°C, VW-1	cURus
				K-2	Used on F1 and F2; 600Vac, 125°C, VW-1	
			CHANGYUAN ELECTRONICS GROUP CO LTD (UL E180908)	CB-HFT	Used on F1 and F2; 300Vac, 125°C, VW-1	cURus

4.0 Critical Components						
Photo #	Item no. ¹	Name	Manufacturer/ trademark ²	Type / model ²	Technical data and securement means	Mark(s) of conformity ³
4	4	Varistor (optional)	Centra Science Corp. (UL E316325)	CNR-10D471K	For MOV1, 300Vrms, 2500A, 85°C, V-0 coating	cURus
				CNR-14D471K		
			Thinking Electronic Industrial Co., Ltd. (UL E314979)	TVR10471	For MOV1, 300Vrms, 2500A, 85°C, V-0 coating	cURus
				TVR14471		
			Success Electronics Co., Ltd. (UL E330256)	SVR10D471K	For MOV1, 300Vrms, 3500A, -85°C, V-0 coating	cURus
				SVR14D471K		
			BestBright Electronics Co. Ltd (UL E315524)	14D471K	For MOV1, 300Vrms, 2500A, 105°C, V-0 coating	cURus
				10D471K		
			Xianmen Set Electronics Co., Ltd. (UL E322662)	TFV8S471K	For MOV1, 300Vrms, 2500A, 105°C, V-0 coating	cURus
3	5	ICX	NXP Semiconductor Taiwan Ltd.	TEA19162T	For U1; 100-240Vac, 47-63 Hz Total: Resistance: 20MΩ X capacitance: 0.47-4.7uF	NR
4	6	X-capacitor	Shantou High-New Technology Developmnt Zone Songtian Enterprise Co Ltd (UL E208107)	MPX	For CX1 Max. 0.47μF, Min. 250V, min. 110°C, X2 type	cURus
			Tenta Electric Industrial Co Ltd	MEX	For CX1 Max. 0.47μF, Min. 250V, min. 100°C, X2 type	cURus
			Joey Electronics (Dong Guan) Co Ltd	MPX	For CX1 Max. 0.47μF, Min. 250V, min. 100°C, X2 type	cURus
			Ultra Tech Xiphi Enterprise Co Ltd	HQX	For CX1 Max. 0.47μF, Min. 250V, min. 110°C, X2 type	cURus
			Cheng Tung Industrial Co., Ltd.	CTX	For CX1 Max. 0.47μF, Min. 250V, min. 105°C, X2 type	cURus
			Dain Electronics Co., Ltd.	MEX	For CX1 Max. 0.47μF, Min. 250V, min. 110°C, X2 type	cURus
				MPX		
				NPX		
3	7	Bleeder Resistor	Various	Various	For R1A, R1B Max. 4.7 MΩ, min.1/8W	NR

4.0 Critical Components						
Photo #	Item no. ¹	Name	Manufacturer/ trademark ²	Type / model ²	Technical data and securement means	Mark(s) of conformity ³
6	8	Y-Capacitor	TDK Corporation (UL E37861)	CD	For CY3, CY4; Max. 4700pF, Min. 250V, Min. 125°C, Y1 type	cURus
			Success Electronics Co., Ltd. (UL E114280)	SE	For CY3, CY4; Max. 4700pF, Min. 250V, Min. 125°C, Y1 type	cURus
				SB		
			Walsin Technology Corp. (UL E146544)	AH	For CY3, CY4; Max. 4700pF, Min. 250V, Min. 125°C, Y1 type	cURus
			Murata Mfg. Co., Ltd. (UL E37921)	KX	Max. 4700pF, Min. 250V, Min. 125°C, Y1 type	cURus
			JYA-NAY CO LTD (UL E201384)	JN	For CY3, CY4; Max. 4700pF, Min. 250V, Min. 125°C, Y1 type	cURus
3	9	Photo coupler	Shantou High-New Technology Dev.Zone Songtian Enterprise Co., Ltd. (UL E37861)	CD	For CY3, CY4; Max. 4700pF, Min. 250V, Min. 125°C, Y1 type	cURus
			VISHAY Semiconductor GmbH (UL E76222)	TCLT1009, VOL618A	Ext. Cr&Cl: ≥8.0mm, DTI: ≥0.4mm, Min. 110°C	cURus
			Everlight Electronics Co., Ltd. (UL E214129)	EL1019	Ext. Cr&Cl: ≥8.1mm, DTI: ≥0.4mm, Min. 125°C	cURus
			Lite-On Technology Corporation (UL E113898)	LTV-10xx	Ext. Cr&Cl: ≥8.0mm, DTI: ≥0.4mm, Min. 115°C	cURus
6	10	Bridge Diode	COSMO Electronics Corporation (UL E169586)	KT1019	Ext. Cr&Cl: ≥8.0mm, DTI: ≥0.4mm, Min. 115°C	cURus
			Various	Various	BD1; Min.2A, Min. 600V	NR
6	11	Connector	Japan Solderless Terminal Mfg Co Ltd (UL E60389)	VH series	240Vac, 7A	cURus

4.0 Critical Components						
Photo #	Item no. ¹	Name	Manufacturer/ trademark ²	Type / model ²	Technical data and securement means	Mark(s) of conformity ³
6	12	Transformer	GlobTek	TF094	For T1 of models with output 12V-14.9Vdc; with Class 130 insulation system GTX-130-TM Including item 13 to 18.	NR
				TF095	For T1 of models with output 15V-18.9Vdc; with Class 130 insulation system GTX-130-TM Including item 13 to 18.	NR
				TF096	For T1 of models with output 19V-23.9Vdc; with Class 130 insulation system GTX-130-TM Including item 13 to 18.	NR
				TF097	For T1 of models with output 24V-31.9Vdc; with Class 130 insulation system GTX-130-TM Including item 13 to 18.	NR
				TF098	For T1 of models with output 32V-36Vdc; with Class 130 insulation system GTX-130-TM Including item 13 to 18.	NR
			HAOPUWEI	TF094	For T1 of models with output 12V-14.9Vdc; with Class 130 insulation system ZT-130 Including item 13 to 18.	NR
				TF095	For T1 of models with output 15V-18.9Vdc; with Class 130 insulation system ZT-130 Including item 13 to 18.	NR
				TF096	For T1 of models with output 19V-23.9Vdc; with Class 130 insulation system ZT-130 Including item 13 to 18.	NR
				TF097	For T1 of models with output 24V-31.9Vdc; with Class 130 insulation system ZT-130 Including item 13 to 18.	NR
				TF098	For T1 of models with output 32V-36Vdc; with Class 130 insulation system ZT-130 Including item 13 to 18.	NR

4.0 Critical Components						
Photo #	Item no. ¹	Name	Manufacturer/ trademark ²	Type / model ²	Technical data and securement means	Mark(s) of conformity ³
15	13	Triple Insulation wire	Great Leoflon Industrial Co Ltd (UL E211989)	TRW(B)*	Reinforced, 1400V, 130°C, VW-1	cURus
				TRW(B)-I*		
			TOTOKU INC. (UL E166483)	TIW-2X\$+	Reinforced, 1400V, 130°C, VW-1	cURus
			HOI LUEN ELECTRICAL MFR CO LTD (UL E257525)	THL-F-xx	Reinforced, 1400V, 130°C, VW-1	cURus
				THL-F-SB-xx		
21	14	Bobbin	Chang Chun Plastics Co Ltd (UL E59481)	T375J T375HF	Phenolic, V-0, Min. 150°C, Min. 0.71mm thickness	cURus
			Sumitomo Bakelite Co Ltd (UL E41429)	PM-9820	Phenolic, V-0, Min. 150°C, Min. 0.71mm thickness	cURus
			Resonac Techno Service Corporation (UL E514814)	CP-J-8800	Phenolic, V-0, Min. 150°C, Min. 0.71mm thickness	cURus
11	15	Tape	3M COMPANY (UL E17385)	1350F-1	130°C	cURus
				1350T-1		
				44		
			Jingjiang Yahua Pressure Sensitive Glue Co Ltd (UL E165111)	PZ	130°C	cURus
				CT		
				WF		
			Jingjiang Jingyi Adhesive Product Co Ltd (UL E246950)	JY25-A(b)	130°C	cURus
CHANG SHU LIANG YI TAPE INDUSTRY CO LTD (UL E246820)	LY-XX(a)(b)	130°C	cURus			
16	16	Tube	Great Holding Industrial Co Ltd (UL E156256)	TFT	300V, 200°C, VW-1	cURus
				TFS	600V, 200°C, VW-1	
			Shenzhen Woer Heat-Shrinkable Material Co Ltd (UL E203950)	WF	Min. 300V, 200°C, VW-1	cURus
			Changyuan Electronics (Shenzhen) Co Ltd (UL E180908)	CB-TT-T	300V, 200°C, VW-1	cURus
				CB-TT-S	600V, 200°C, VW-1	

4.0 Critical Components						
Photo #	Item no. ¹	Name	Manufacturer/ trademark ²	Type / model ²	Technical data and securement means	Mark(s) of conformity ³
9	17	Varnish (not shown)	Various	Various	130°C	cURus or cETLus Recognized
9	18	Function earthing wire (not shown)	Great Leoflon Industrial Co Ltd (UL E211989)	TRW(B)*	For Class I construction; Reinforced, 1400V, 130°C, VW-1	cURus
			Hoi Luen Electrical Mfr Co Ltd	THL-F-xx	For Class I construction; Reinforced, 1400V, 130°C, VW-1	cURus
				THL-F-SB-xx		
			Furukawa Electric Co Ltd	TEX-E	For Class I construction; Reinforced, 1400V, 130°C, VW-1	cURus
7	19	Mylar sheet	CHENGDU KANGLONGXIN PLASTICS CO LTD (UL E315185)	KLX PP WT-10	For model GT*962251P*****; GT*962252P*****; Min. thickness 0.2 mm, 110°C	cURus
				KLX PP BK-10	For model GT*962251P*****; GT*962252P*****; Min. thickness 0.2 mm, 110°C	
				KLX PP BK-17	For model GT*962251P*****; GT*962252P*****; Min. thickness 0.2 mm, 110°C	
			TORAY INDUSTRIES INC (UL E86511)	Lumirror H10	For model GT*962251P*****; GT*962252P*****; Min. thickness 0.2mm, 105°C	cURus
			SK MICROWORKS CO LTD (UL E74359)	SH71S	For model GT*962251P*****; GT*962252P*****; Min. thickness 0.2mm, 105°C	cURus
			FORMEX, DIV OF ILLINOIS TOOL WORKS INC, FORMERLY (UL E121855)	FORMEX GK series	For model GT*962251P*****; GT*962252P*****; Min. thickness 0.2mm, 115°C	cURus
NOTES:						
1) Not all item numbers are indicated (called out) in the photos, as their location is obvious.						
2) "Various" means any type, from any manufacturer that complies with the "Technical data and securement means" and meets the "Mark(s) of conformity" can be used.						
3) Indicates specific marks to be verified, which assures the agreed level of surveillance for the component. "NR" - indicates Unlisted and only visual examination is necessary. "See 5.0" indicates Unlisted components or assemblies to be evaluated periodically refer to section 5.0 for details.						

5.0 Critical Unlisted CEC Components

No Unlisted CEC components are used in this report.

6.0 Critical Features

Recognized Component - A component part, which has been previously evaluated by an accredited certification body with restrictions and must be evaluated as part of the basic product considering the restrictions as specified by the Conditions of Acceptability.

Listed Component - A component part, which has been previously Listed or Certified by an accredited Certification Organization with no restrictions and is used in the intended application within its ratings.

Unlisted Component - A part that has not been previously evaluated to the appropriate designated component standard. It may also be a Listed or Recognized component that is being used outside of its evaluated Listing or component recognition.

Critical Features/Components - An essential part, material, subassembly, system, software, or accessory of a product that has a direct bearing on the product's conformance to applicable requirements of the product standard.

Construction Details - For specific construction details, reference should be made to the photographs and descriptions. All dimensions are approximate unless specified as exact or within a tolerance. In addition to the specific construction details described in this Report, the following general requirements also apply.

1. Spacing - According to UL 840. In primary circuits, 1.5 mm minimum spacing are maintained through air and 2.4mm over surfaces of insulating material between current-carrying parts of opposite polarity and 3.0 mm minimum spacing are maintained through air and 4.8mm over surfaces of insulating material between such current-carrying parts and dead-metal parts or low voltage isolated circuits.
2. Mechanical Assembly - Components such as switches, fuseholders, connectors, wiring terminals and display lamps are mounted and prevented from shifting or rotating by the use of lockwashers, starwashers, or other mounting format that prevents turning of the component.
3. Corrosion Protection - All ferrous metal parts are protected against corrosion by painting, plating or the equivalent.
4. Accessibility of Live Parts - All uninsulated live parts in primary circuitry are housed within a non-metallic enclosure constructed with no openings other than those specifically described in Sections 4 and 5.
5. Grounding - This product is provided with a means of grounding for functional use ,all dead-metal parts within the enclosure are connected to the grounding lead of the power supply cord.
6. Polarized Connection -This product is provided with a polarized power supply connection. All single pole switches and fuses are connected only to the ungrounded supply circuit conductor.
7. Schematics - Refer to Illustration 1 for Circuit Diagram requiring verification during Field Representative Inspection Audits
8. PCB layout - Refer to Illustration 2 for PCB layout requiring verification during Field Representative Inspection Audits.
9. Markings - Not required for building-in type equipment. Shall be checked with end-product.
10. Cautionary Markings - None required.
11. Installation, Operating and Safety Instructions - Instructions for installation and use of this product are provided by the applicant. Refer to illustration 4 and 4a of Section 7.0 for details.
12. Transformer - Supplier records must be provided that indicate the received shipment of transformers (section 4.0, item no. 12) was constructed as indicated in Illustration 3 of Section 7.0. These records must be available at the factory for inspection on every received shipment.

7.0 Illustrations

Illustration 1 - Schematics

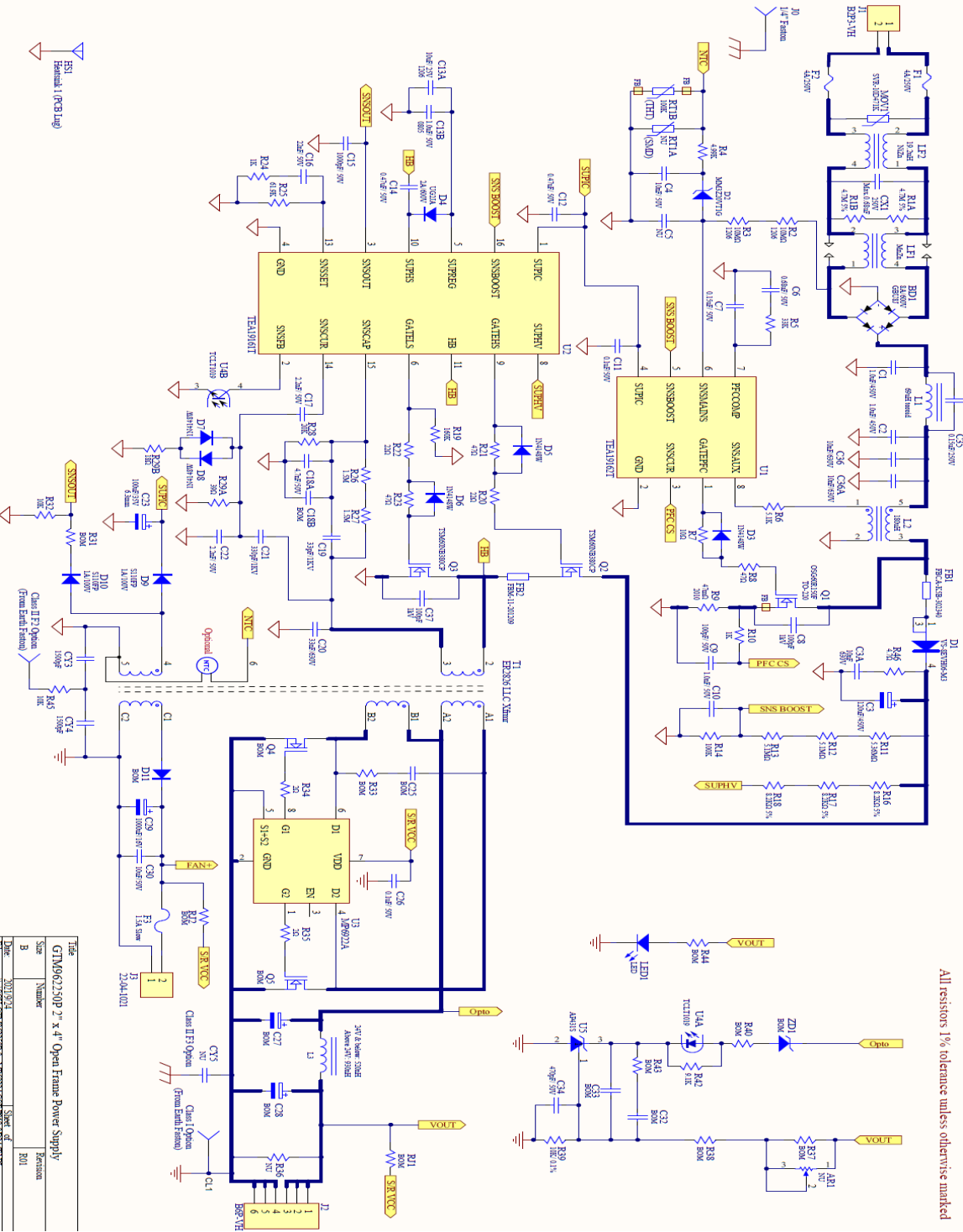
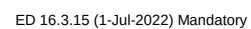


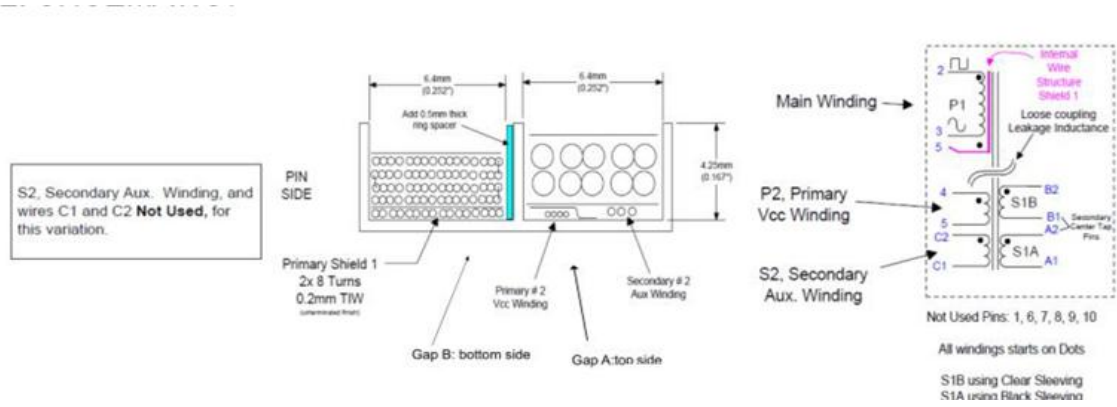
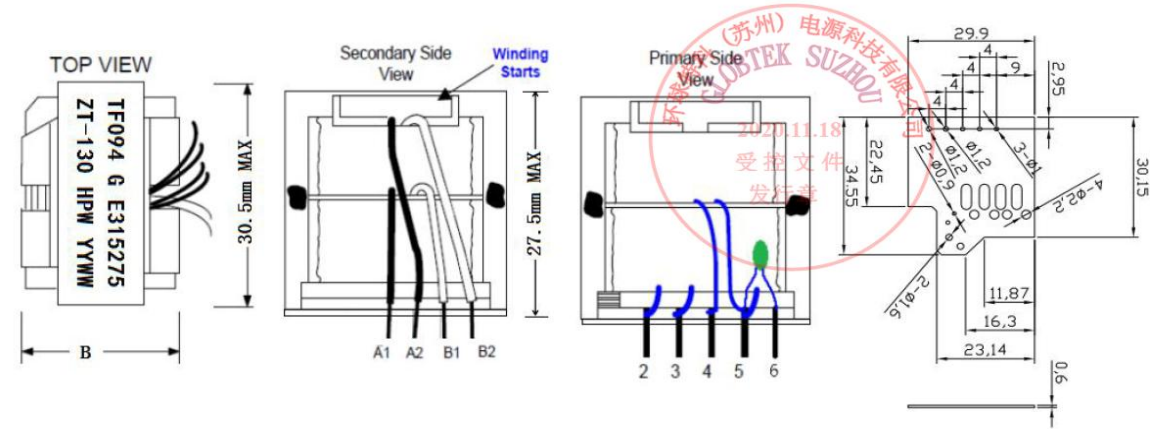
Illustration 2 - PCB layout



7.0 Illustrations

Illustration 3 - Transformer specification

1. DIMENSION (UNIT : mm)



4. WINDING SPEC

顺序 Order	PIN 脚 PIN No.	铜线 Copper wire	圈数 Turns	线槽 Slot	方向 Direction	备注 Remarks
E1	5--	TIW wire 0.2mm*2	7 Ts	Gap B	Finish unterminated	
1 Ts W=6mm, T=0.025mm insulation tape @Gap B						
P1	2-3	Litz wire 0.06mm*72	35Ts	Gap B		4 layers
P2	4-5	TIW wire 0.25mm	3Ts	Gap A	P2 and S2 are in the same layer	
S2	C2-C1	TIW wire *0.3mm	0Ts	Gap A		
1 Ts W=6mm, T=0.025mm insulation tape @Gap A						
S1A	A2-A1	TIW Litz wire 0.1mm*150	2Ts	GAP A	1 Layer	
S1B	B2-B1	TIW Litz wire 0.1mm*150	2Ts	GAP A	1 Layer	
2 Ts W=7.5mm, T=0.025mm insulation tape @Gap B						
2Ts W=7mm, T=0.025mm insulation tape @Gap A						
2Turns W=11.5mm T=0.025mm core fixing tape						

7.0 Illustrations

Illustration 4 - Manual

GlobTek, Inc.

User manual for Model No.:

GTM96225*P series

ELECTRICAL SPECIFICATIONS:

Input: 100-240Vac, 50-60Hz or 50/60Hz, 3A

Output: 12.0 – 36.0Vdc; max. 18.75A; max. 225W, details refer to making label.

Operating Temperature: -20°C to 50°C (Full output power), -25°C to 80°C (Derated)

Storage Temperature: -30°C TO 85° C

Humidity: 0% TO 95% relative humidity

PCB Size: The size of PCB type Blank=2"x4" is 101.6mm*50.8mm; the size of PCB type -C=3"x5" is 127mm*76.2mm, the size of PCB type -D=7"x4.22" is 177.8mm*107.188mm

1. Please read these safety instructions carefully.

1.Veuillez lire attentivement ces consignes de sécurité

2.This unit is for indoor use only.

2.Cette unité est pour l'usage d'intérieur seulement

3.Please refer to the marking label on the unit for input and output ratings. Do not overload the power supply.

3.Veuillez vous référer à l'étiquette de marquage sur l'unité pour les cotes d'entrée et de sortie. Ne surchargez pas l'alimentation

4.The socket-out shall be installed near the equipment and shall be easily accessible.

4.La chaussure doit être installée près de l'équipement et doit être facilement accessible

5.A readily accessible disconnect device shall be incorporated in the fixed wiring.

5.Un dispositif de déconnexion facilement accessible doit être incorporé dans le câblage fixe

6.Disconnect the appliance coupler to separate the unit from mains supply.

6.Débranchez le coupleur de l'appareil pour séparer l'unité de l'alimentation secteur

7.The apparatus shall not be exposed to dripping or splashing.

7.L'appareil ne doit pas être exposé à l'égouttement ou aux éclaboussures

8. Output polarity/ Polarité de sortie :



9. Class I or class II equipment/Équipement de class I ou classe II:



or



10. Indoor use/ Utilisation à l'intérieur:



11. Attention, Consult Accompanying Documents- as applicable/ Attention, consulter les Documents d'accompagnement - le cas échéant:



12. Do not throw this electronic device into the trash when discarding. To minimize pollution and ensure utmost protection of the global environment, please recycle it/ Ne jetez pas cet appareil électronique à la poubelle lors du rejet. Pour minimiser la pollution et assurer une protection maximale de l'environnement mondial, veuillez le recycler:

7.0 Illustrations

Illustration 4a - Manual

GlobTek, Inc.



13. The power supply has to be disposed appropriately: Please refer to local regulations (Waste Electrical and Electronic Equipment).

13. L'alimentation doit être éliminée de manière appropriée: veuillez vous référer à la réglementation locale (déchets d'équipements électriques et électroniques).

14. The LED is operating indicator

14. La LED est indicateur de fonctionnement

15. Regardless to the legal warranty the manufacturer grants in accordance with the laws of its country, at least 1 year (in Germany 2 years). Begin of warranty is the sales date of the equipment to the final consumer.

The warranty covers only defects/deficiencies, which are to due to failures of material or manufacturing.

Warranty repairs may be accomplished exclusively by an authorized customer service. In order to make your warranty claim the original (sales voucher) receipt (with sales date) must be attached.

Excluded from warranty are:

- Usual abrasion
- Inappropriate applications, like for example overloading of the equipment and not certified accessories
- Damages by foreign effects, use of force or by foreign objects
- Damage, which results from neglect of the user manual, for example connection to a wrong voltage or neglect of the assembly instructions
- Complete or partly dismantled devices

15. Indépendamment de la garantie légale que le fabricant accorde conformément aux lois de son pays, au moins 1 an (en Allemagne 2 ans). Début de la garantie est la date de vente de l'équipement au consommateur final.

La garantie ne couvre que les défauts/déficiences, qui sont dus à des échecs de matériel ou de fabrication.

Les réparations sous garantie peuvent être effectuées exclusivement par un service à la clientèle autorisé. Afin de faire votre demande de garantie, le reçu original (bon de vente) (avec la date de vente) doit être joint.

Sont exclus de la garantie:

- Abrasion habituelle
- Applications inappropriées, comme par exemple la surcharge de l'équipement et des accessoires non certifiés
- Dommages causés par des effets étrangers, l'usage de la force ou par des corps étrangers
- Dommages, qui résultent de la négligence du manuel d'utilisation, par exemple la connexion à une mauvaise tension ou la négligence des instructions de montage
- Dispositifs complètement ou partiellement démontés

8.0 Test Summary					
Evaluation Period	18-Oct-2024 to 04-Dec-2024		Project No.	240500746SHA	
Sample Rec. Date	10-Oct-2024	Condition	Prototype	Sample ID.	A241010-46-001 to 003
Test Location	Intertek Testing Services (Shanghai FTZ) Co., Ltd				
Test Procedure	Testing Lab				
Determination of the result includes consideration of measurement uncertainty from the test equipment and methods. The product was tested as indicated below with results in conformance to the relevant test criteria.					
The following tests were performed:					
Test Description	UL 1012:2010 Ed.8+R:30Mar2021	CSA C22.2#107.2:2001 Ed.2+U1;U2			
Leakage Current Test	40	6.5			
Power Input Test	41	6.3			
Temperature Test	42	6.6			
Dielectric Strength	43	6.7			
Tests on insulating materials	44	6.22			
Strength test	--	6.16.1			
Stability test	50	6.16.2			
Abormal test: Output short circuit test	54.2	6.9.1.6			
Abormal test: Transformer Overload Test	54.7	6.9.2			
Abormal test: Component short- and open-circuit test	54.8	6.9.3			
Abormal test: Backfeed protection	54.9	--			
Abormal test: Reverse Polarity Test	54.12	6.9.1.7			
Flanged Bobbin Transformer Abnormal Test	55	--			
Capacitor Test	56	--			
Test Description	Fuctional safety				
No relevant clause	NA				
The above noted clauses have been properly addressed	Frank Song				

8.1 Signatures			
A representative sample of the product covered by this report has been evaluated and found to comply with the applicable requirements of the standards indicated in Section 1.0.			
Completed by:	Leo Li	Reviewed by:	Hans Wang
Title:	Engineer	Title:	Reviewer
Signature:	Leo Li	Signature:	Hans Wang

9.0 Correlation Page For Multiple Listings

The following products, which are identical to those identified in this report except for model number and Listee name, are authorized to bear the ETL label under provisions of the Intertek Multiple Listing Program.

BASIC LISTEE	GlobTek, Inc.
Address	186 Veterans Drive NORTHVALE NJ 07647
Country	USA
Product	Building-in power supply unit

MULTIPLE LISTEE 1	None
Address	
Country	
Brand Name	
ASSOCIATED MANUFACTURER	
Address	
Country	
MULTIPLE LISTEE 1 MODELS	BASIC LISTEE MODELS

MULTIPLE LISTEE 2	None
Address	
Country	
Brand Name	
ASSOCIATED MANUFACTURER	
Address	
Country	
MULTIPLE LISTEE 2 MODELS	BASIC LISTEE MODELS

MULTIPLE LISTEE 3	None
Address	
Country	
Brand Name	
ASSOCIATED MANUFACTURER	
Address	
Country	
MULTIPLE LISTEE 3 MODELS	BASIC LISTEE MODELS

10.0 General Information

The Applicant and Manufacturer have agreed to produce, test and label ETL Listed products in accordance with the requirements of this Report. The Manufacturer has also agreed to notify Intertek and to request authorization prior to using alternate parts, components or materials.

COMPONENTS

Components used shall be those itemized in this Intertek report covering the product, including any amendments and/or

LISTING MARK

The ETL Listing mark applied to the products shall either be separable in form, such as labels purchased from Intertek, or on a product nameplate or other media only as specifically authorized by Intertek. Use of the mark is subject to the control of Intertek.

The mark must include the following four items:

- 1) applicable country identifiers "US" and/or "C" or "US", "C" and "EU"
- 2) the word "Listed" or "Classified" or "Recognized Component" (whichever is appropriate)
- 3) a control number issued by Intertek
- 4) a product descriptor that identifies the standards used for certification. Example:

For US standards, the words, "Conforms to" shall appear with the standard number along with the word, "Standard" or "Std." Example: "Conforms to ANSI/UL Std. XX."

For Canadian standards, the words "Certified to CAN/CSA Standard CXX No. XX." shall be used, or abbreviated, "Cert. to CAN/CSA Std. CXX No. XX."

Can be used together when both standards are used.

If all standards on the ATM have the same standard title, the shared title or its abbreviation may be used in place of the examples above. Example: "Medical Electrical Equipment" or "MEE"; "Information Technology Equipment" or "ITE"; "Audio/Video Information And Communication Technology Equipment" or "A/V ICTE".

Note: A facsimile must be submitted to Intertek, Attn: Follow-up Services for approval prior to use.

The facsimile need not have a control number. A control number will be issued **after signed Certification**

Agreements have been received by the Follow-up Services office, approval of the facsimile of your proposed Listing Mark, satisfactory completion of the Listing Report, and scheduling of a factory assessment in your facility.

MANUFACTURING AND PRODUCTION TESTS

Manufacturing and Production Tests shall be performed as required in this Report.

FOLLOW-UP SERVICE

Periodic unannounced audits of the manufacturing facility (and any locations authorized to apply the mark) shall be scheduled by Intertek. An audit report shall be issued after each visit. Special attention will be given to the following:

1. Conformance of the manufactured product to the descriptions in this Report.
2. Conformance of the use of the ETL mark with the requirements of this Report and the Certification Agreement.
3. Manufacturing changes.
4. Performance of specified Manufacturing and Production Tests.

In the event that the Intertek representative identifies non-conformance(s) to any provision of this Report, the Applicant shall take one or more of the following actions:

1. Correct the non-conformance.
2. Remove the ETL Mark from non-conforming product.
3. Contact the issuing product safety evaluation center for instructions.

10.1 Evaluation of Unlisted Components

Because Unlisted Components are uncontrolled, and they do not fall under a third party follow up program, Intertek may require these components to be tested and/or evaluated at least once annually, more often for certain components, as part of the independent certification process. The Unlisted Components in Section 5.0 require testing and/or evaluation as indicated.

The Applicant will be notified, in writing, via the applicable contact methods, as defined in Section 1.0, when these components must be selected and sent to Component Evaluation Center (CEC) for re-evaluation.

Due to particular testing requirements, some components may be requested to be shipped to specific labs. Thus, specific shipment destination(s) for each sample will be provided in the written notification.

Managing CEC Location:

Intertek Testing Services (Shanghai FTZ) Co., Ltd

ETL Component Evaluation Center

Building No. 86, 1198 Qinzhou Road (North)

Shanghai 200233, China

Attn: Ms. Emiliana Zhou

Sample Disposition: Due to the destructive nature of the testing, all samples will be discarded at the conclusion of testing unless, the manufacturer specifically requests the return of the samples. The request for return must accompany the initial component shipment.

11.0 Manufacturing and Production Tests

The manufacturer agrees to conduct the following Manufacturing and Production Tests as specified:

Required Tests

Dielectric Voltage Withstand Test

11.1 Dielectric Voltage Withstand Test

Method

One hundred percent of production of the products covered by this Report shall be subjected to a routine production line dielectric withstand test.

The test shall be conducted on products, which are fully assembled. Prior to applying the test potential, all switches, contactors, relays, etc., should be closed so that all primary circuits are energized by the test potential. If all primary circuits cannot be tested at one time, then separate applications of the test potential shall be made.

The test voltage specified below shall be applied between primary circuits and output circuit. The test voltage may be gradually increased to the specified value but must be maintained at the specified value for one second or one minute as required.

Test Equipment

The test equipment shall incorporate a transformer with an essentially sinusoidal output, a means to indicate the applied test potential, and an audible and/or visual indicator of dielectric breakdown.

The test equipment shall incorporate a voltmeter in the output circuit to indicate directly the applied test potential if the rated output of the test equipment is less than 500VA.

If the rated output of the test equipment is 500VA or more, the applied test potential may be indicated by either:

- 1 - a voltmeter in the primary circuit;
- 2 - a selector switch marked to indicate the test potential; or
- 3 - a marking in a readily visible location to indicate the test potential for test equipment having a single test potential output.

In cases 2 and 3, the test equipment shall include a lamp or other visual means to indicate that the test potential is present at the test equipment output. All test equipment shall be maintained in current calibration.

Products Requiring Dielectric Voltage Withstand Test:

<u>Product</u>	<u>Test Voltage</u>	<u>Test Time</u>
All products covered by this Report.	1000V	60 s
	or	
	1200V	1 s
<u>Product - One sample from each shipment of Section 4.0 item 12:</u>	<u>Test Voltage</u>	<u>Test Time</u>
Between primary to secondary	1480V	60 s
Between secondary to core	1480V	60 s

12.0 Revision Summary

The following changes are in compliance with the declaration of Section 8.1:

[illegible]