1.0 Reference and Address			
Report Number	240200622SHA-001	Original Issued: 17-Apr-2024	Revised: None
Standard(s)	Medical Electrical Equipment - Part 1: General Requirements for Basic Safety and Essential Performance (R2012) [AAMI ES60601-1:2005+C1;A2:2010] Medical Electrical Equipment - Part 1: General Requirements for Basic Safety and Essential Performance (R2022) [CSA C22.2#60601-1:2014 Ed.3+A2]		

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	Michael Krakovyak	Contact	Demon Zhou
Phone	(201)784-1000 Ext.253	Phone	86 512 6279 0301 Ext.189
FAX	(201)784-0111	FAX	86 512 6279 0355
Email	krakovyakm@globtek.us	Email	demon.zhou@globtek.cn

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2.0 Product Description	
Product	Medical Power Supply
Brand name	GlobTek
Description	Product covered by this report is medical power supply module, which can be used as a part of medical equipment. The installation and use for the insulation construction shall be finally determined in the end product. All the types are designed for continuous operation and no applied part is defined. The product is designed to be operated at max. 5000m above sea level. The insulation between primary and secondary circuits of EUT is evaluated as 2MOPP in this report as customer's request.
Models	GTM43007-, followed by A, B or C; followed by 01 to 60; followed by 05,07, 09, 12, 15, 18, 24, 36 or 48; may be followed by -0.01 to -11.9; followed by -F, -FW. GT-43007-, followed by A, B or C; followed by 01 to 60; followed by 05,07, 09, 12, 15, 18, 24, 36 or 48; may be followed by -0.01 to -11.9; followed by -F, -FW. GTH43007-, followed by A, B or C; followed by 01 to 60; followed by 05,07, 09, 12, 15, 18, 24, 36 or 48; may be followed by -0.01 to -11.9; followed by -F, -FW.
Model Similarity	Refer to section 7, illustration 2 model similarity.
Ratings	Input: 100-240 V~, 50-60 Hz, 1.5 A; Output: 5-48 Vdc, Max 6A, Max 60 W
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. Scope of Power Supply evaluation defers the following clauses to be determined as part of the end product investigation: •Clause 7.5 (Safety Signs), •Clause 7.9 (Accompanying Documents), •Clause 9 (ME Hazard), except 9.1 and 9.3 are evaluated, •Clause 10 (Radiation), •Clause 11.7 (Biocompatibility), •Clause 14 (PEMS), •Clause 16 (ME Systems) •Clause 17 (EMC) •Usability was excluded from this investigation. Open frame model • Suitability of the enclosure should be evaluated when installed in the end product including access to energized parts, clearance & creepage distance measurement and mechanical strength. • Temperature Testing should be performed on this component when installed in the end product.

3.0 Product Photographs

Photo 1 - GTM43007-A3005-F

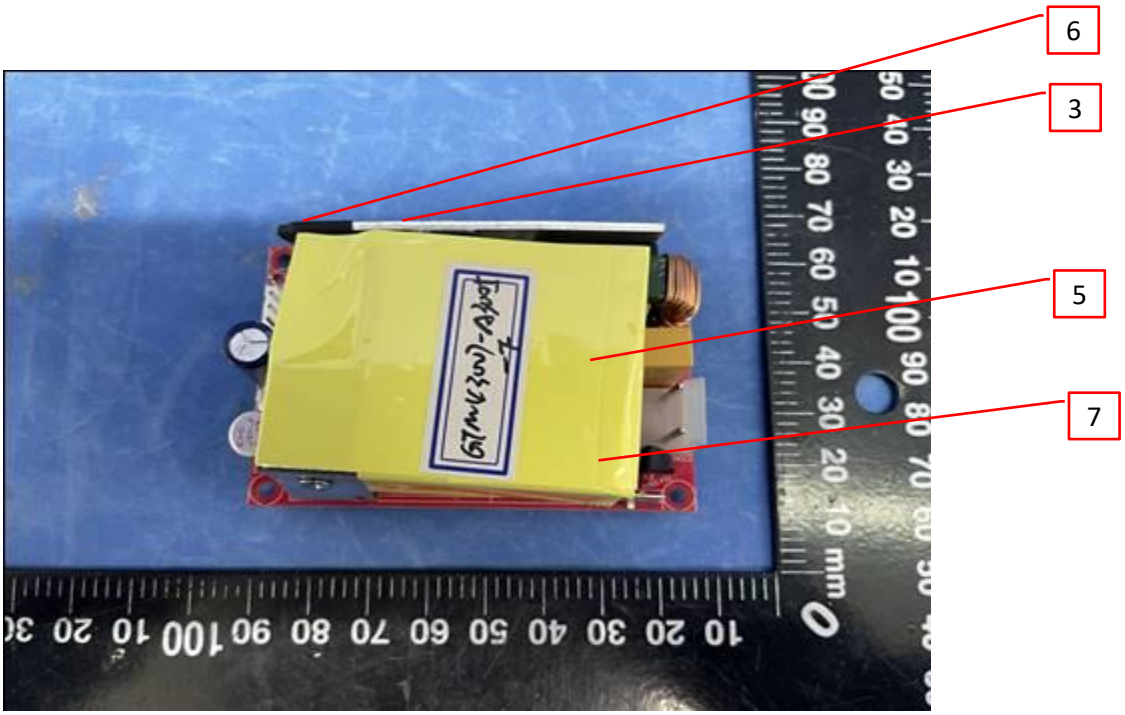
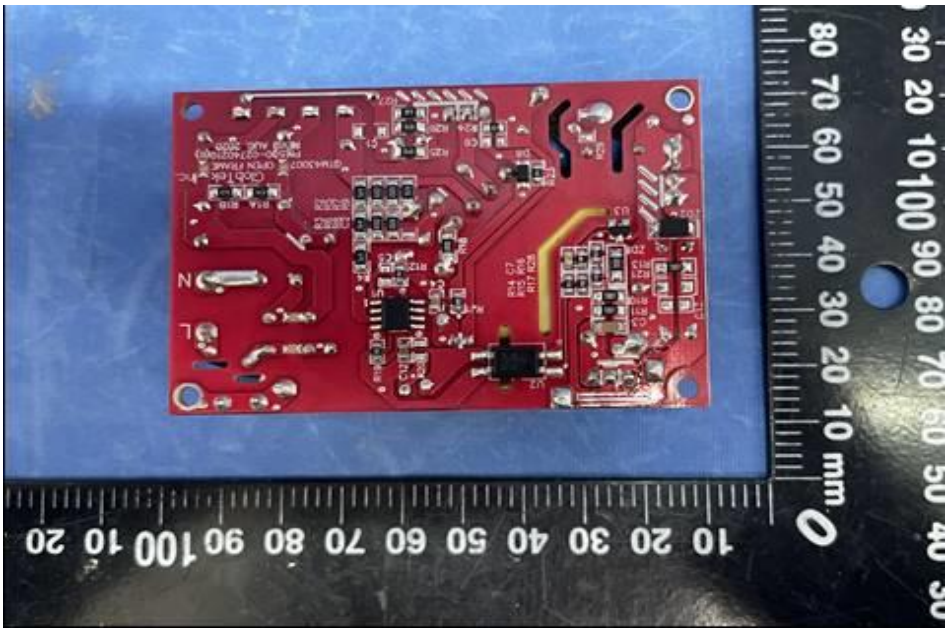


Photo 2- GTM43007-A3005-F



3.0 Product Photographs

Photo 3 - GTM43007-A6048-F

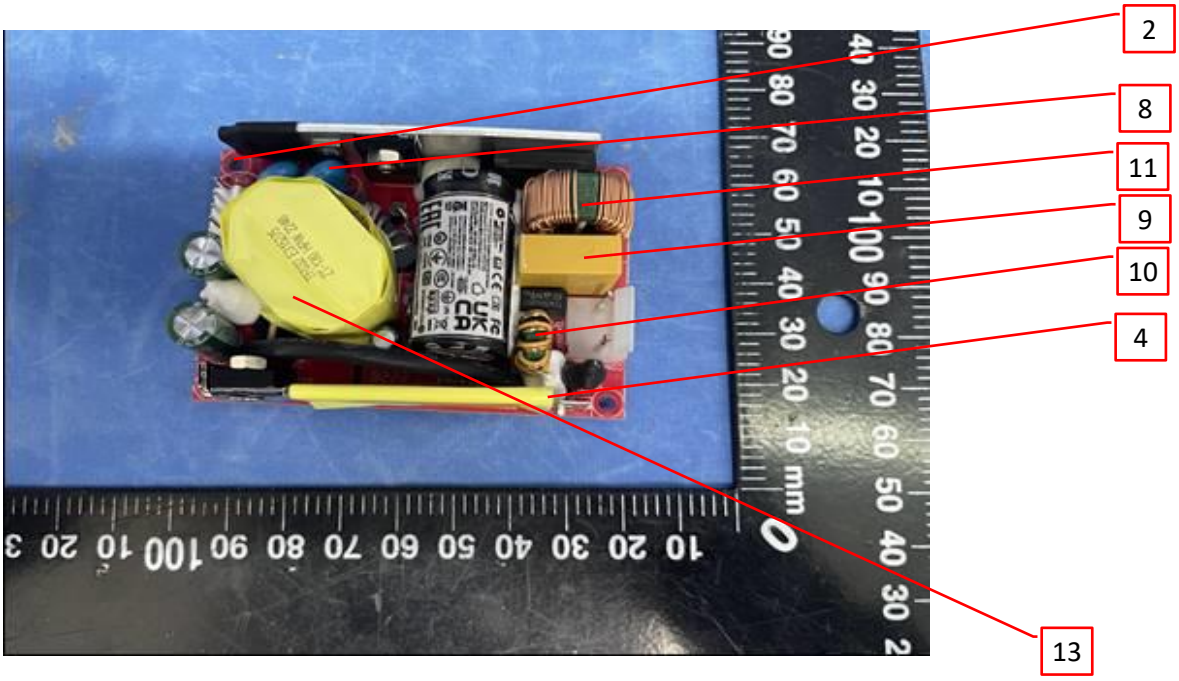
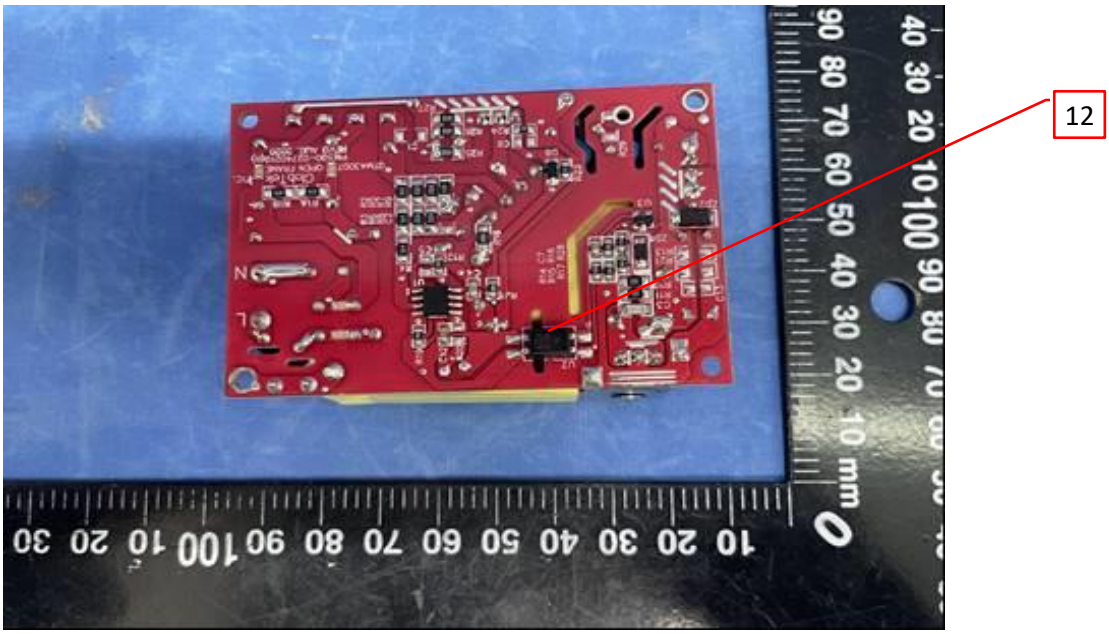


Photo 4 - GTM43007-A6048-F



3.0 Product Photographs

Photo 5 - GTM43007-A6048-FW

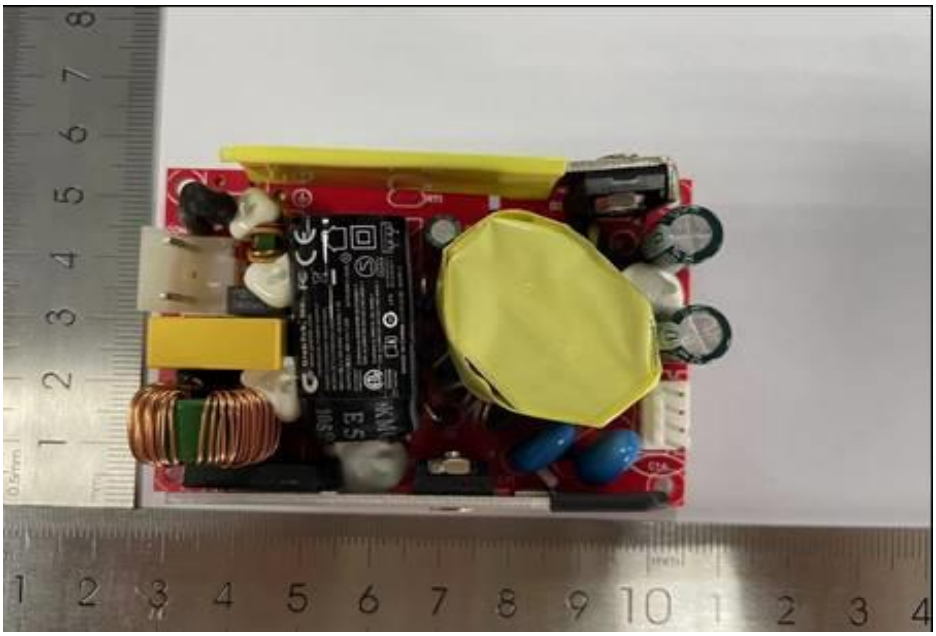


Photo 6 - GTM43007-C6012-F



3.0 Product Photographs

Photo 7 - GTM43007-C6012-F

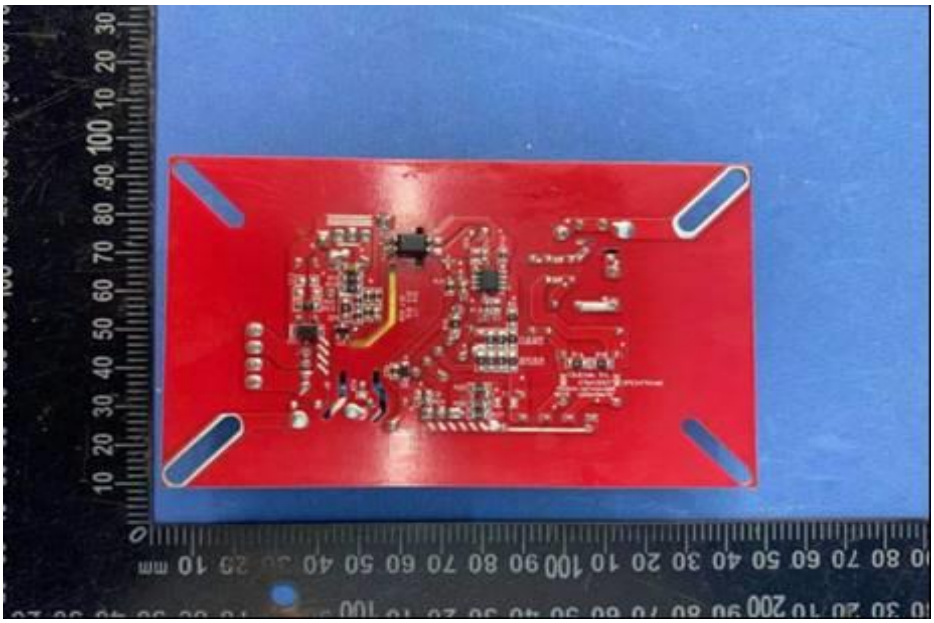
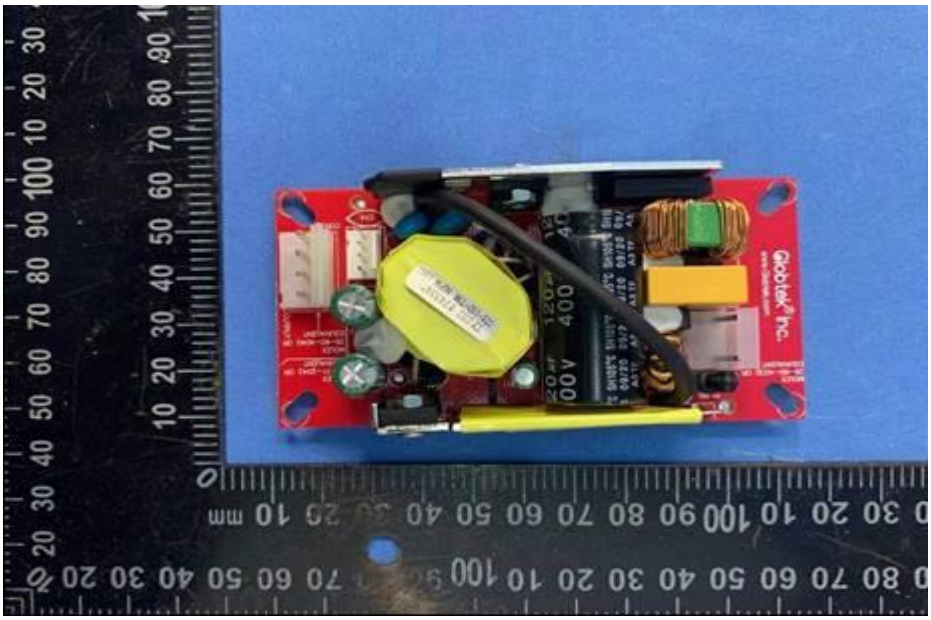


Photo 8 - GTM43007-B6048-F （another earthing construction)



3.0 Product Photographs

Photo 9 - GTM43007-B6048-F

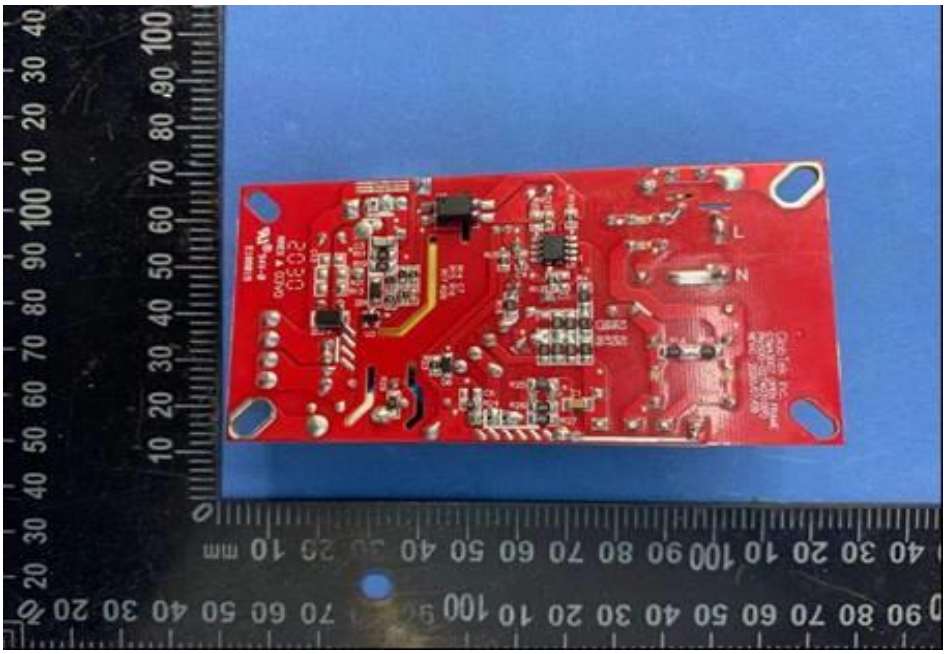
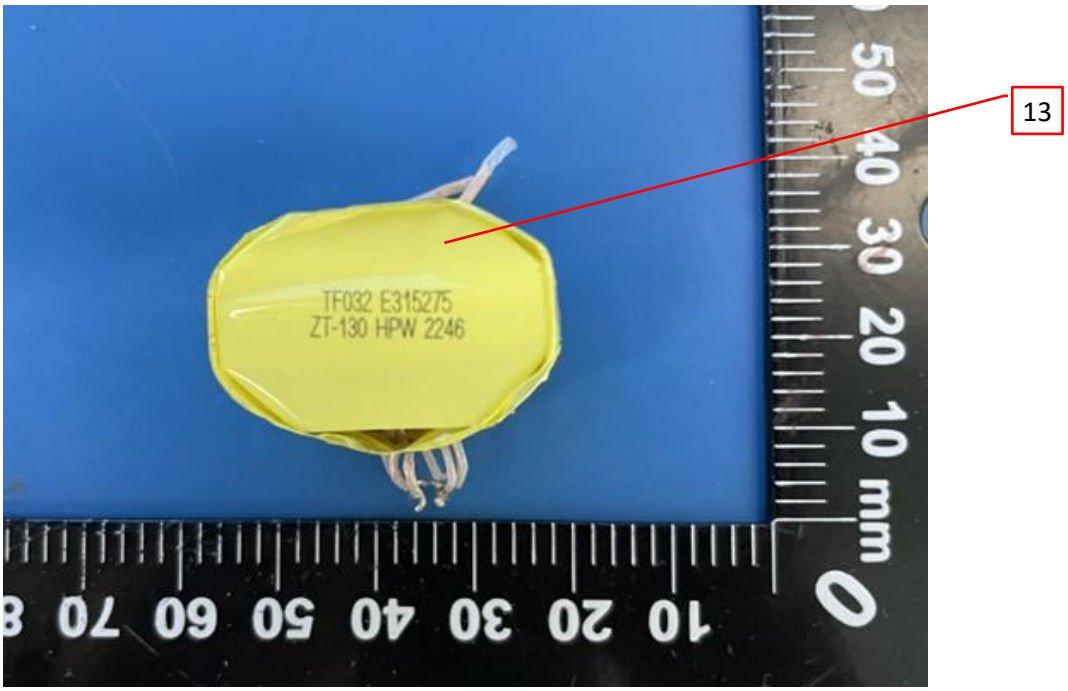


Photo 10 - Transformaer 1



3.0 Product Photographs

Photo 11 - Transformaer 2

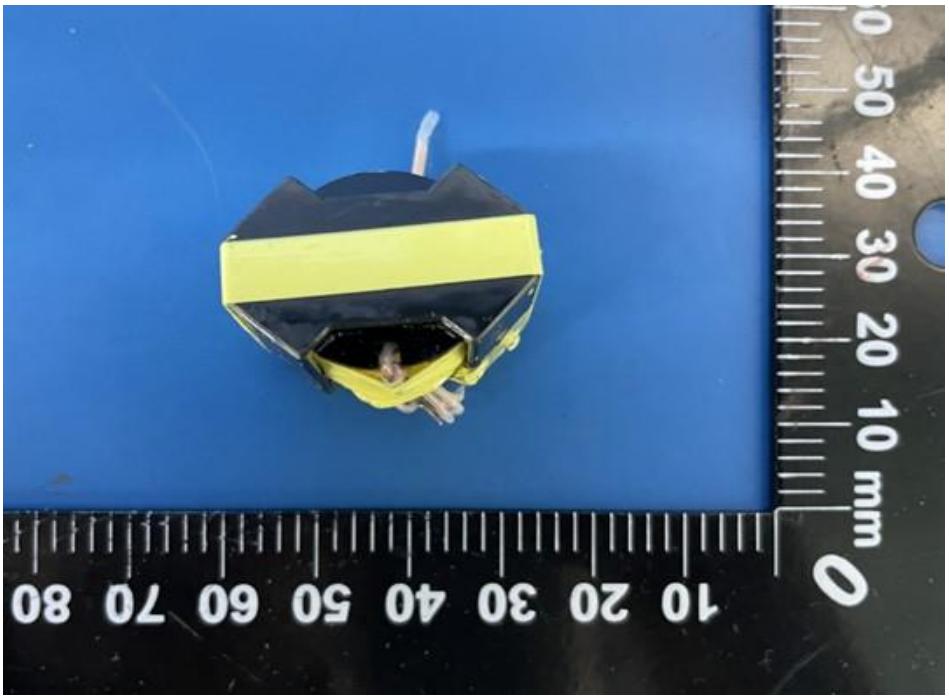
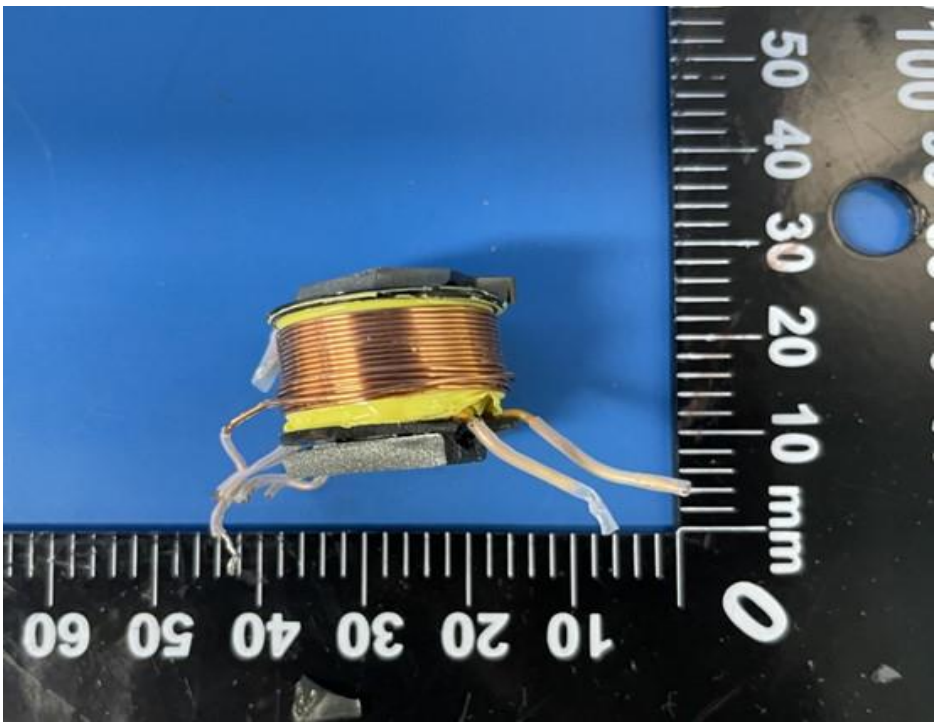


Photo 12 - Transformaer 3



3.0 Product Photographs

Photo 13 - Transformaer 4

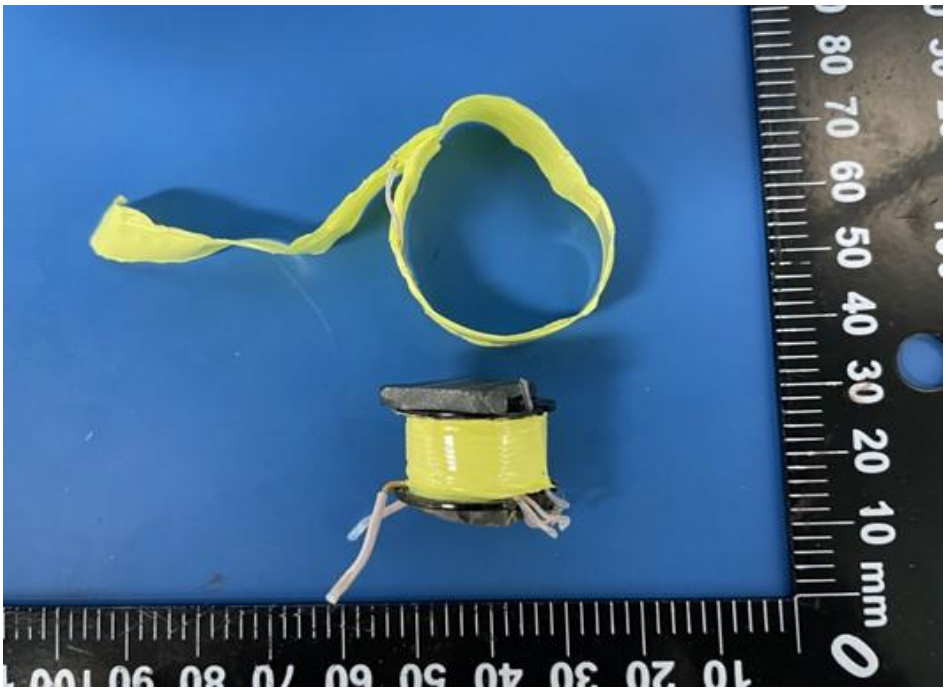
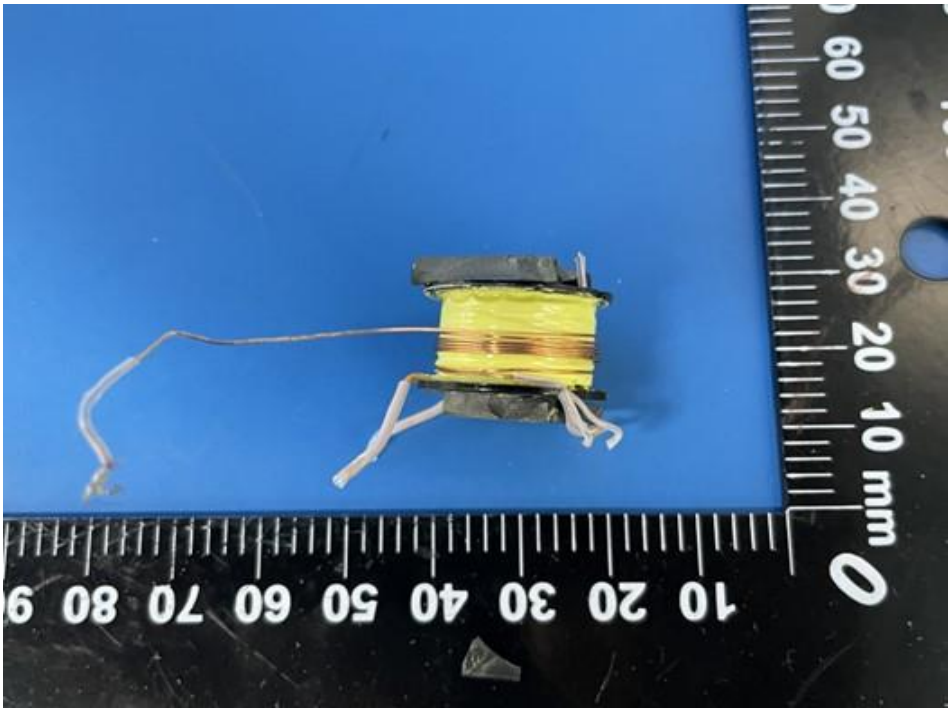


Photo 14 - Transformaer 5



3.0 Product Photographs

Photo 15 - Transformaer 6

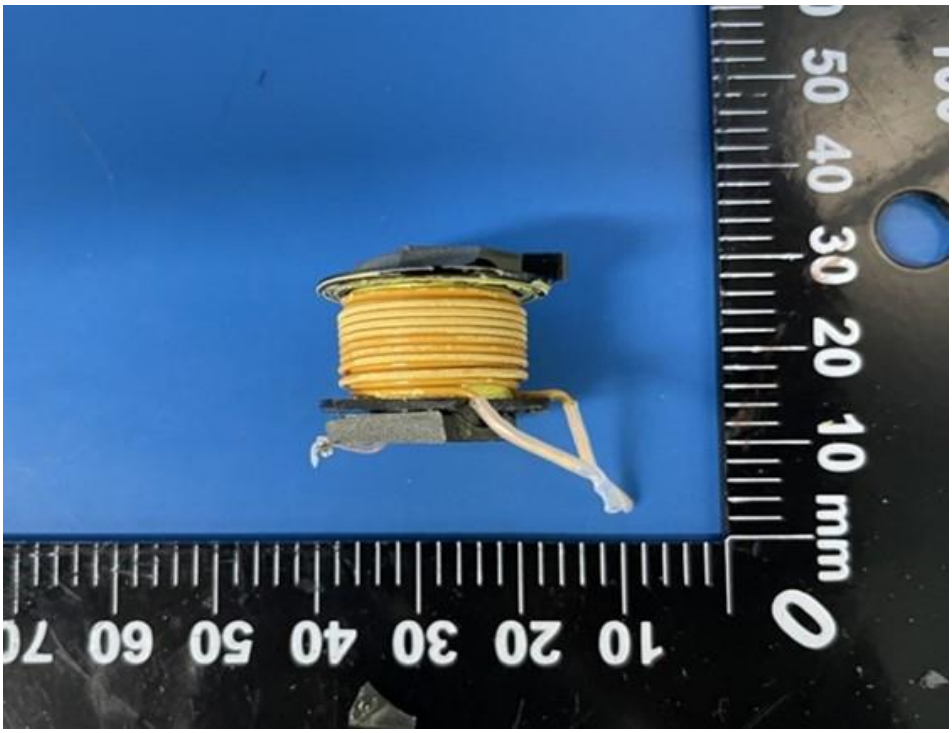


Photo 16 - Transformaer 7



3.0 Product Photographs

Photo 17 - Transformaer 8

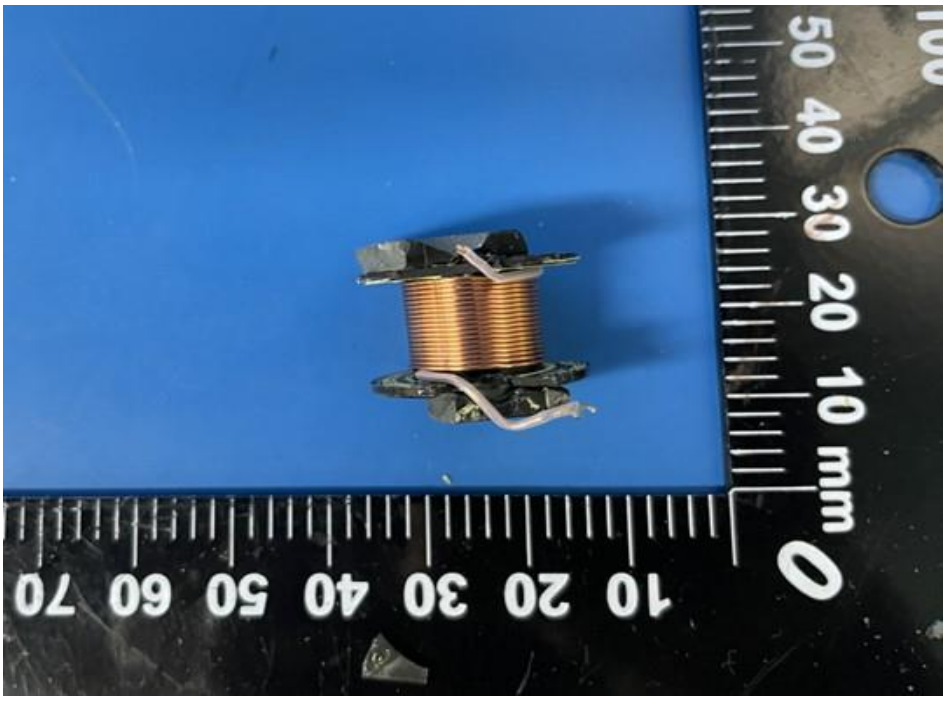
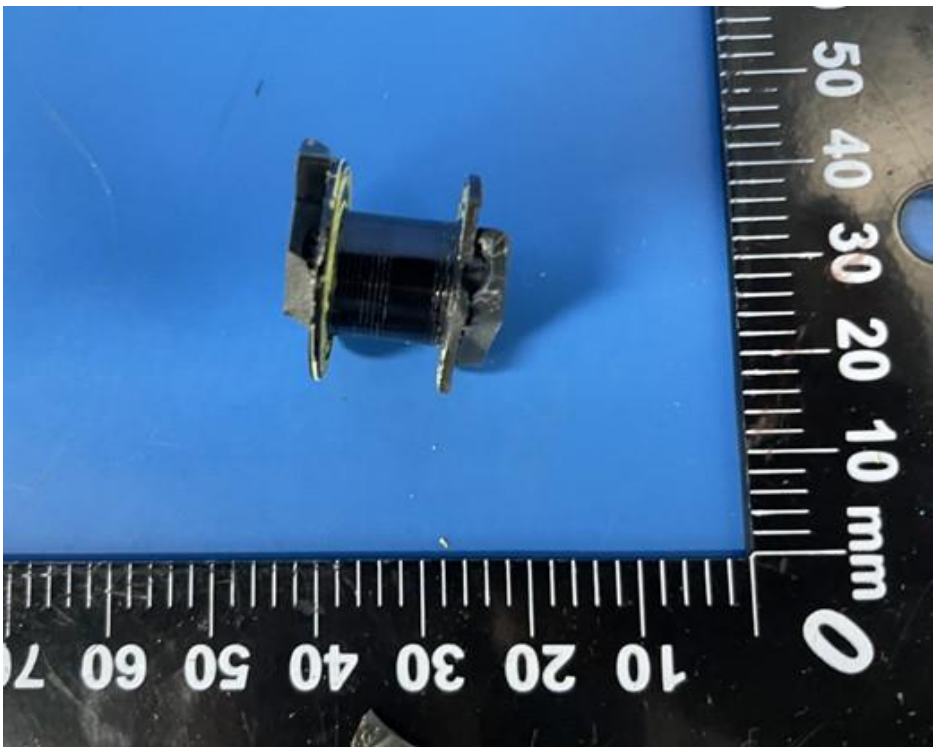


Photo 18 - Transformaer 9



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	1	PCB	YILIHUA	YLH-1 YLH-2	Min. V-0, min 1.6 mm thickness, 130°C	cURus
			AREX	02V0 03V0 04V0	Min. V-0, min 1.6 mm thickness, 130°C	cURus
			SHENZHEN TONGCHUANGXIN ELECTRONICS CO LTD	TCX	Min. V-0, min 1.6 mm thickness, 130°C	cURus
			WALEX ELECTRONIC (WUXI) CO LTD	T2 T2A T2B T4	Min. V-0, min 1.6 mm thickness, 130°C	cURus
			Various	Various	Min. V-0, min 1.6 mm thickness, 130°C	cURus
3	2	Fuse	Conquer Electronics Co., Ltd.	MST	T2A, 250 V, Rated breaking capacity 100A	cURus
			Conquer Electronics Co., Ltd.	PTU	T2A, 250 V, Rated breaking capacity 100A	cURus
			Ever Island Electric Co., Ltd. and Walter Electric	2010, ICP	T2A, 250 V, Rated breaking capacity 130A	cURus
			Bel Fuse Ltd.	RST	T2A, 250V, Rated breaking capacity 100A	cURus
			Walter Electronic Co. Ltd.	ICP series	T2A, 250V, Rated breaking capacity 50A.	cURus
			Zhongshan Lanbao Electrical Appliances Co., Ltd.	RTI-10 series	T2A, 250V, Rated breaking capacity 50A	cURus
			Sun Electric Co.	5T	T2A, 250V, Rated breaking capacity 100A	cURus
			Bel Fuse Ltd.	5ST	T2A, 250V, Rated breaking capacity 35A	cURus
			Dongguan Better Electronics Technology Co., Ltd.	932	T2A, 250V, Rated breaking capacity 100A	cURus
1	3	Heatsink	Jiangsu CHENGDA	HS1	Aluminum. Approximate overall dimension 60mm by 18.5mm, min.1.5mm thick, secured to PWB by soldering	NR
			Various	HS1	Aluminum. Approximate overall dimension 60mm by 18.5mm, min.1.5mm thick, secured to PWB by soldering	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]
3	4	Heatsink	Jiangsu CHENGDA	HS2	Aluminum. Approximate overall dimension 50mm by 22mm by 38mm, min.1.0mm thick, secured to PWB by soldering (for 5-9V)	NR
					Aluminum. Approximate overall dimension 50mm by 22mm by 38mm, min.1.2mm thick, secured to PWB by soldering (for 5-9V)	NR
					SPCC. Approximate overall dimension 50mm by 14mm by 38mm, min.1.2mm thick, secured to PWB by soldering (for 5-9V)	NR
			Various	HS2	Aluminum. Or SPCC, Approximate overall dimension 50mm by 22mm by 38mm, min.1.0mm thick, secured to PWB by soldering (for 5-9V)	NR
1	5	Heatsink	Jiangsu CHENGDA	HS2	Aluminum. Approximate overall dimension 50mm by 6mm by 18mm, min.1.4mm thick, secured to PWB by soldering(for 9.1-48V)	NR
			Jiangsu CHENGDA	HS2	SPCC.Approximate overall dimension 50mm by 14mm by 38mm,min.1.2mm thick, secured to PWB by soldering(for 9.1-48V)	NR
			Various	HS2	Aluminum or SPCC. Approximate overall dimension 50mm by 6mm by 18mm,or by 38mm, min.1.2mm thick, secured to PWB by soldering(for 9.1-48V)	NR
1	6	Insulation tape provided on heatsink	CHANG SHU LIANG YI TAPE INDUSTRY CO LTD	LY-XX	Min.130°C	cURus
			3M COMPANY	1350F-1 1350T-1	Min.130°C	cURus
			BONDTEC PACIFIC CO.,LTD	370S	Min.130°C	cURus
			JINGJIANG YAHUA PRESSURE SENSITIVE GLUE CO LTD	PZ series CT series WF series	Min.130°C	cURus
			JINGJIANG JINGYI	JY25-A	Min.130°C	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]
1	7	Insulation tubing provided on heatsink or fuse or class I earth wire	SHENZHEN WOER HEAT-SHRINKABLE MATERIAL CO LTD	RSFR	600V, 125°C	cURus
				RSFR-H		
				RSFR-HPF		
			QIFURUI ELECTRONICS CO	QFR-h	600V, 125°C	cURus
			DONGGUAN SALIPT CO LTD	SALIPT S-901-300	Min. 300V, 125°C	cURus
				SALIPT S-901-600		
			GUANGZHOU KAIHENG ENTERPRISE GROUP	K-2 (+)	Min. 300V, 125°C	cURus
				K-2 (CB)		
			CHANGYUAN ELECTRONICS (SHENZHEN) CO LTD	CB-HFT	Min. 300V, 125°C	cURus
			SHENZHEN WOLIDA TRADING CO LTD	RSFR-H	600V, 125°C	cURus
3	8	Y-Capacitor (CY1, CY2)	SUCCESS ELECTRONICS CO LTD	SE	Type Y1, max. 2200pF, min. 250V, 125°C	cURus
				SB		
			SHANTOU HIGH-NEW TECHNOLOGY DEVELOPMNT ZONE SONGTIAN ENTERPRISE CO LTD	CD	Type Y1, max. 2200pF, min. 250V, 125°C (optional)	cURus
			MURATA MFG CO LTD	KX	Type Y1, max. 2200pF, min. 250V, 125°C (optional)	cURus
			WALSIN TECHNOLOGY CORP	AH	Type Y1, max. 2200pF, min. 250V, 125°C (optional)	cURus
			JYA-NAY CO LTD	JN	Type Y1, max. 2200pF, min. 250V, 125°C (optional)	cURus
			HAOHUA ELECTRONIC CO	CT7	Type Y1, max. 2200pF, min. 250V, 125°C (optional)	cURus
			TDK CORP	CD	Type Y1, max. 2200pF, min. 250V, 125°C (optional)	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]
3	9	X Capacitor (CX1)	Cheng Tung	CTX	Max. 0.33uF, 310V, 110°C, type X1 or X2(optional)	cURus
			SHANTOU HIGH-NEW TECHNOLOGY DEVELOPMNT ZONE SONGTIAN ENTERPRISE CO LTD	MPX	Max. 0.33uF, 250V, 100°C, X2 (optional)	cURus
				MKP		
			Ultra Tech Xiphi Enterprise Co. Ltd.	HQX	Max.0.33uF, 275V, 100°C, X2(optional)	cURus
			Dain Electronics Co., Ltd.	MPX	Max.0.33uF, 250V, 110°C, X2(optional)	cURus
				MEX		
				NPX		
			Sinhua Electronics (Huzhou) Co.,Ltd.	MPX	Max.0.33uF, 300V, 110°C, X2(optional)	cURus
			Jiangsu Xinghua Huayu Co., Ltd.	MPX	Max.0.33uF, 250V, 100°C, X2(optional)	cURus
			Tenta Electric Industrial Co. Ltd.	MEX	Max. 0.33μF,275VAC,100℃, X1(optional)	cURus
			Joey Electronics (Dong Guan) Co., Ltd.	MPX	Max. 0.33μF, 275VAC,100℃, X2(optional)	cURus
3	10	Line filter (LF1)	GlobTek/HAOPU WEI/HEJIA/BOAM	LF019	Class B(optional)	NR
3	11	Line filter (LF2)	GlobTek/HAOPU WEI/HEJIA/BOAM	LF018	Class B(optional)	NR
4	12	Optocoupler (U2)	LITE-ON Technology Corporation	LTV-817	2MOPP at working voltage 250Vrms, 100°C	cURus
			Everlight Electronics Co., Ltd.	EL817	2MOPP at working voltage 250Vrms, 100°C	cURus
			COSMO	K1010	Dti=0.6mm Int，dcr=4.0mm，EXT.dcr=5.0mm，thermal cycling test，115℃	cURus
				KP1010		
3,10	13	Transformer (T1)	GlobTek/BOAM/ HAOPUWEI	TF024 for 5-6.5V	Class B, with critical component listed below	NR
				TF025 for 6.6-8.9V		
				TF026 for 9-13V		
				TF027 for 13.1-17V		
				TF028 for 17.1-24.9V		
				TF029 for 25-34.9V		
				TF032 for 35-48V		

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	13a	Insulation system (not shown)	GLOBTEK INC	GTX-130-TM	Class B	cURus
			SHAN DONG BOAM ELECTRIC CO LTD	BOAM-01	Class B	cURus
			SHAN DONG BOAM ELECTRIC CO LTD	B1	Class B	cURus
			WUXI HAOPUWEI ELECTRONICS CO LTD	ZT-130	Class B	cURus
3	13b	Magnet wire (Primary)(not shown)	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD	UEWN/U	130°C	cURus
			JUNG SHING WIRE CO LTD	UEW-4 UEY-2	130°C	cURus
			JIANGSU HONGLIU MAGNET WIRE TECHNOLOGY CO LTD	2UEW/130	130°C	cURus
			CHANGZHOU DAYANG WIRE & CABLE CO LTD	2UEW/130	130°C	cURus
			WUXI JUFENG COMPOUND LINE CO LTD	2UEWB	130°C	cURus
			JIANGSU DARTONG M & E CO LTD	UEW	130°C	cURus
			SHANDONG SAINT ELECTRIC CO LTD	UEW/130	130°C	cURus
			ZHEJIANG LANGLI ELECTRIC EQUIPMENTS CO LTD	UEW	130°C	cURus
3	13c	Secondary wire of T1 (TIW)(not shown)	GREAT LEOFLON INDUSTRIAL CO LTD	TRW (B)	Min.130°C	cURus
			HOI LUEN ELECTRICAL MFR CO LTD	HL-F-xx	Min.130°C	cURus
			HOI LUEN ELECTRICAL MFR CO LTD	THL-F-SB-xx	Min.130°C	cURus
			COSMOLINK CO LTD	TIW-M	Min.130°C	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]
			FURUKAWA ELECTRIC CO LTD	TEX-E	Min.130°C	cURus
			TOTOKU ELECTRIC CO LTD	TIW-2	Min.130°C	cURus
3	13d	Bobbin(not shown)	CHANG CHUN PLASTICS CO LTD	T375J	V-0, 150°C, min thickness: 0.6mm	cURus
				T375HF		
			SUMITOMO BAKELITE CO LTD	PM-9820	V-0, 150°C, min thickness: 0.6mm	cURus
			HITACHI CHEMICAL CO LTD	CP-J-8800	V-0, 150°C, min thickness: 0.6mm	cURus
3	13e	Insulating tape(not shown)	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	1350F-1	130°C	cURus
				1350T-1		
			BONDTEC PACIFIC CO LTD	370S	130°C	cURus
			JINGJIANG YAHUA PRESSURE SENSITIVE GLUE CO LTD	PZ	130°C	cURus
				CT		
				WF		
			JINGJIANG JINGYI ADHESIVE PRODUCT CO LTD	JY25-A	130°C	cURus
			CHANG SHU LIANG YI TAPE INDUSTRY CO LTD	LY-XX	130°C	cURus
6	14	Connector (CON1)	JOINT TECH ELECTRONIC INDUSTRIAL CO LTD	A7920WV-2P	Min 250V	cURus
			MOLEX INCORPORATED	41791 series	Min 250V	cURus
			JAPAN SOLDERLESS TERMINAL MFG CO LTD	VH series	Min 240V	cURus
			JOINT TECH ELECTRONIC INDUSTRIAL CO LTD	A3960 series	Min 250V	cURus
			ZHEJIANG HONGXING ELECTRICAL CO LTD	HX396XX-YYY series	Min 250V	cURus
			MOLEX L L C	42227 series	Min 240V	cURus
				70543 series		

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]

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.

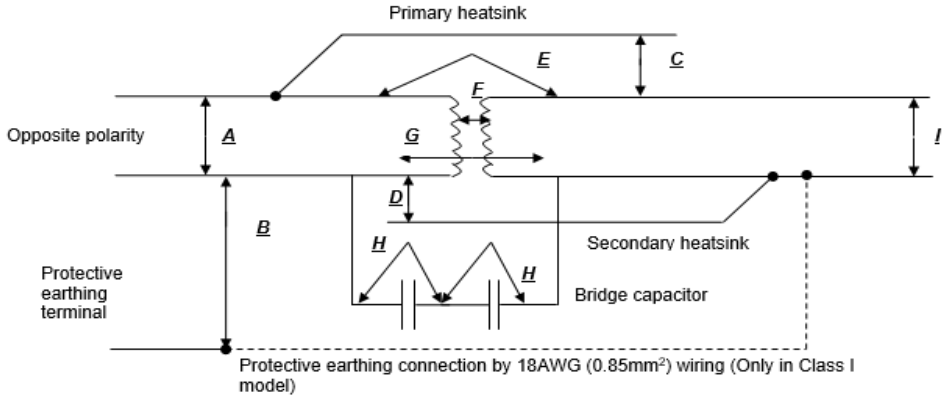
Critical Features/Components - An essential part, material, subassembly, system, software, or accessory of a product that has a direct bearing on the product's conformance to applicable requirements of the product standard.

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 - See Illustration 1 in section 7.0
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. Grounding - All exposed dead-metal parts and all dead-metal parts within the enclosure that are exposed are connected to the grounding lead of the power supply cord and the equipment grounding terminal.
4. Polarized Connection - This product is not provided with a polarized power supply connection.
5. Internal Wiring - Internal wiring is routed away from sharp or moving parts. Internal wiring leads terminating in soldered connections are made mechanically secure prior to soldering. Recognized Component separable (quick disconnect) connectors of the positive detent type, closed loop connectors, or other types specifically described in the text of this report are also acceptable as internal wiring terminals. At points where internal wiring passes through metal walls or partitions, the wiring insulation is protected against abrasion or damage by plastic bushings or grommets. All wiring is minimum 24AWG, with a minimum rating of 300V, 80°C.
6. Markings - - The product is marked as follows:
   1. Brand name: refer to sec. 2.0
   2. Model number: refer to sec. 2.0
   3. Ratings: refer to sec. 2.0
   4. Manufacturer: refer to sec. 1.0
   5. applicant: refer to sec. 1.0
7. Transformer - Supplier records must be provided that indicate the received shipment of transformers(section 4.0, item 13) was constructed as indicated in Illustrations 3. These records must be available at the factory for inspection on every received shipment.

7.0 Illustrations

Illustration 1 - Spacings



Area	Number and type of Protection:	CTI	Working voltage		Required creepage (mm)	Required clearance (mm)	Measured creepage (mm)	Measured clearance (mm)	Remarks
			V_{rms}	V_{pk}					
A	MOOP	IIIb	240	340	3.0	3.0[2]	3.2	3.2	Opposite polarity of mains part
B	MOPP	IIIb	240	--	4.0	3.3[2]	4.2[3]	3.8	Mains parts to PE terminal (Along PCB trace)
C	2MOPP	IIIb	240[1]	--	8.0	6.5[2]	10.0[4]	10.0[4]	Primary heatsink to secondary circuit
D	2MOPP	IIIb	240[1]	--	8.0	6.5[2]	10.0[4]	10.0[4]	Primary circuit to secondary heatsink
E	2MOPP	IIIb	240[1]	--	8.0	6.5[2]	10.0[3]	7.7	Primary side to secondary side (Optocoupler)
F	2MOPP	IIIb	324[1]	--	10.0	9.0[2]	11.0[5]	11.0	Primary side (including ferrite) to secondary pin-out (Transformer)
G	2MOPP	IIIb	240[1]	--	8.0	6.5[2]	10.0[3]	7.7	Mains parts to secondary parts (Nearest points along PCB trace)
H	MOPP (Each) x 2	IIIb	240[1]	--	4.0+4.0	3.3+3.3[2]	5.0+5.0[3]	4.5+4.5	Primary side to secondary side (Y capacitor x 2)
I	--	IIIb	Max. 48Vdc	--			--	--	Accessible parts per 8.4.2 c)

7.0 Illustrations

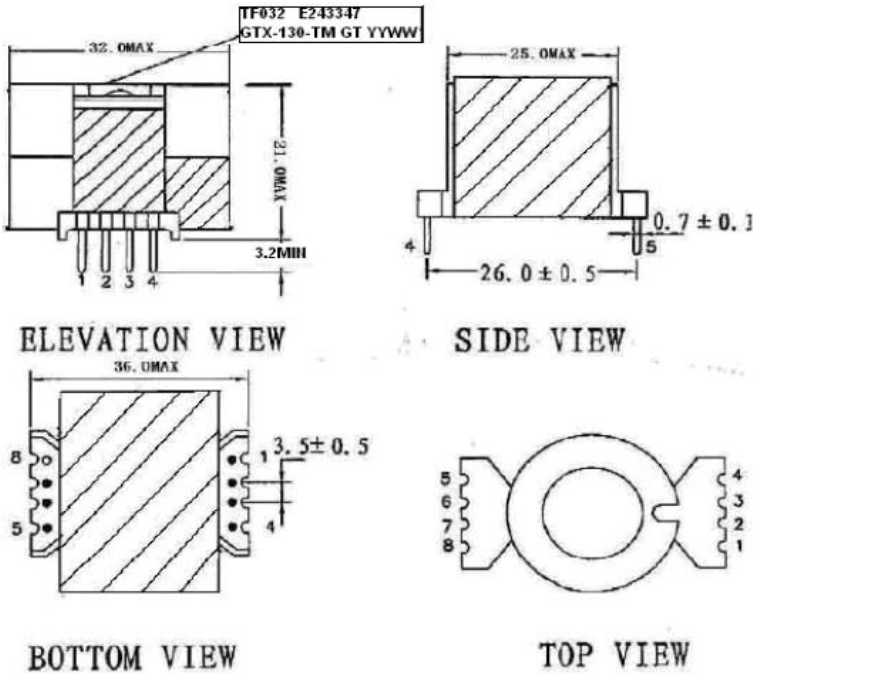
Illustration 2 - model similarity

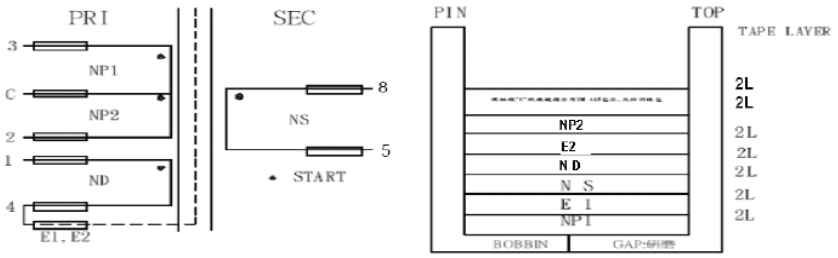
Model list:

Model	Output Voltage	Max. output current	Max. output power	Transformer
GT*43007-**05*	5 V	6A	30W	TF024 for 5-6.5Vdc TF025 for 6.6-8.9Vdc TF026 for 9-13Vdc TF027 for 13.1-17Vdc TF028 for 17.1-24.9Vdc TF029 for 25-34.9Vdc TF032 for 35-48Vdc
GT*43007-**07**	5.1-7V	6A	30W	
GT*43007-**09**	7.1-9V	5A	45W	
GT*43007-**12**	9.1-12V	5.0A	45W	
GT*43007-**15**	12.1-15V	5.0A	60W	
GT*43007-**18**	15.1-18V	4.0A	60W	
GT*43007-**24**	18.1-24V	3.31A	60W	
GT*43007-**36**	24.1-36V	2.50A	60W	
GT*43007-**48**	36.1-48V	1.66A	60W	

7.0 Illustrations

Illustration 3 - Specification of Transformer





8.0 Test Summary					
Evaluation Period	22-Feb-2024 to 02-April-2024			Project No.	240200622SHA
Sample Rec. Date	22-Feb-2024	Condition	Prototype	Sample ID.	A240222-05-001
Test Location	Building No.86, 1198 Qinzhou Road (North), Shanghai 200233, China				
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	AAMI ES60601-1:2005+C1;A2:2010 CSA C22.2#60601-1:2014 Ed.3+A2 clause
Power Input	4.11
Humidity Preconditioning	5.7
Legibility of Markings	7.1.2
Durability of Markings	7.1.3
Plug Voltage and/or Energy	8.4.3
Leakage Current Test terminations	8.7.4
Dielectric Strength Means	8.8.3
Ball Pressure Test	8.8.4.1
Creepage & Clearance Measurements	8.9.4
Surfaces, corners and edges	9.3
Excessive Temperature	11.1
Single Fault Conditions	13.2
Transformer Short-Circuit	15.5.1.2
Transformer Overload	15.5.1.3
Transformer Dielectric Strength	15.5.2

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:	Vivian Xu	Reviewed by:	Larry Zhong
Title:	Project engineer	Title:	Project reviewer
Signature:	Vivian Xu	Signature:	Larry Zhong

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	Medical Power Supply

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 revisions.

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 Limited
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 accessible dead-metal parts. 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:

Product	**Test Voltage**	**Test Time**
All the product covered by this report Between L/N and secondary output for Class II and open frame model	4000VAC	1s
All the product covered by this report Between L/N and secondary output(earthing) for Class I model	1500VAC	1s
Product- One sample from each shipment of Section 4.0 item 13:	**Test Voltage**	**Test Time**
Between primary circuit and secondary output	4000VAC	1min
Between secondary circuit and core	4000VAC	1min

12.0 Revision Summary				
The following changes are in compliance with the declaration of Section 8.1:				
Date/ Proj # Site ID	Project Handler/ Reviewer	Section	Item	Description of Change
				None