1.0 Reference and Address			
Report Number	2407B2584SHA-001	Original Issued: 15-Sep-2024	Revised: None
Standard(s)	Medical Electrical Equipment - Part 1: General Requirements for Basic Safety and Essential Performance [ANSI/AAMI ES60601-1:2005+A1;A2] Medical Electrical Equipment - Part 1: General Requirements for Basic Safety and Essential Performance (R2022) [CSA C22.2#60601-1:2014 Ed.3+A2] Medical Electrical Equipment – Part 1-6: General Requirements for Basic Safety and Essential Performance – Collateral Standard: Usability [IEC 60601-1-6:2010 Ed.3+A1;A2] Medical Electrical Equipment – Part 1–11: General Requirements for Basic Safety and Essential Performance – Collateral Standard: Requirements for Medical Electrical Equipment and Medical Electrical Systems Used in the Home Healthcare Environment [IEC 60601-1-11:2015 Ed.2+A1]		

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. 3000m above sea level.The insulation between primary and secondary circuits of EUT is evaluated as 2MOPP in this report as customer's request.
Models	GTM46402-, followed by 01 to 40; followed by 05 to 48 or 5.0 to 48.0 ; may be followed by any six character can be 0-9 or A-Z or symbols. GT-46402-, followed by 01 to 40; followed by 05 to 48 or 5.0 to 48.0 ; may be followed by any six character can be 0-9 or A-Z or symbols. GTH46402-, followed by 01 to 40; followed by 05 to 48 or 5.0 to 48.0 ; may be followed by any six character can be 0-9 or A-Z or symbols.
Model Similarity	Products covered by this report are the same construction except the transfomers used. The transformers used in all models are the same construction. The turns of secondary winding may be added or reduced according different output voltage. All models have same PCB, but some non-critical components may be adjusted according to different output voltage. The parameters of these components depend on output voltage.
Ratings	Input: 100-240V~, 50-60Hz, 1.0A Output :5-48Vdc, Max6A, Max. 40W.
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 are provided for some critical issue like technical data, safety warnings, necessary information to set up, but further evaluation is needed on end product level.), Clause 8.11.5 (Mains Fuse with High Breaking Capacity), 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)

3.0 Product Photographs

Photo 1 -External view of EUT



Photo 2 - External view of EUT

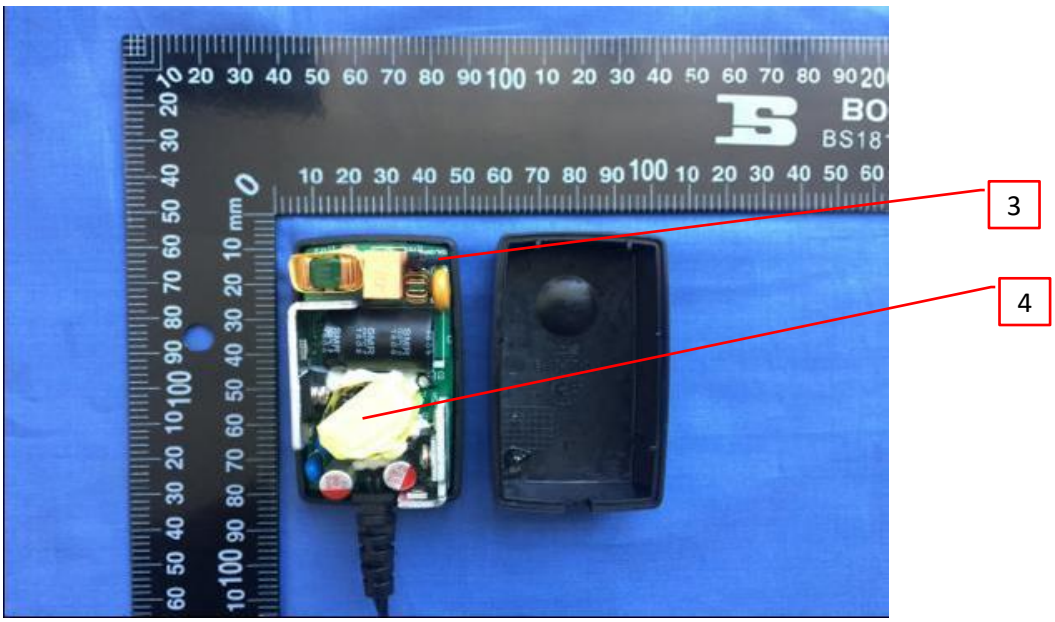


3.0 Product Photographs

Photo 3 - External view of EUT



Photo 4- External view of EUT



3.0 Product Photographs

Photo 5 - External view of EUT

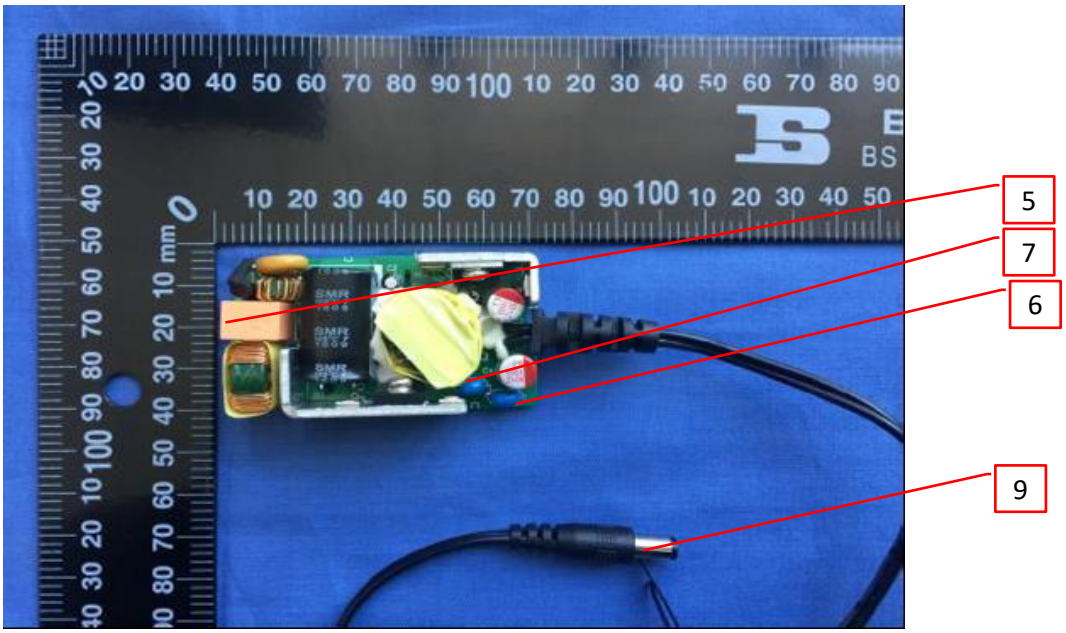
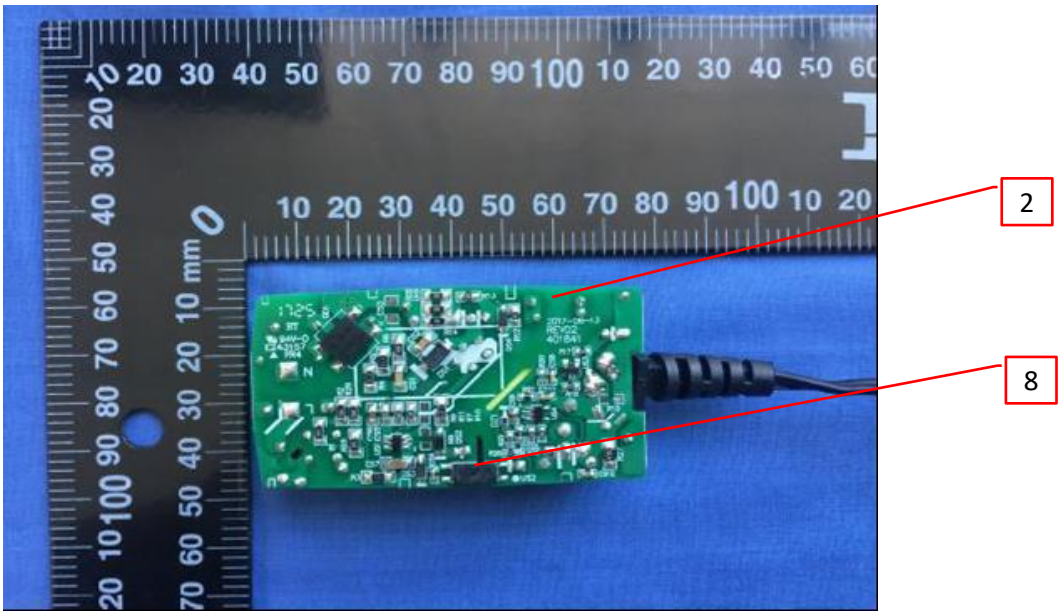


Photo 6 - External view of EUT



3.0 Product Photographs

Photo 7- External view of Transformer

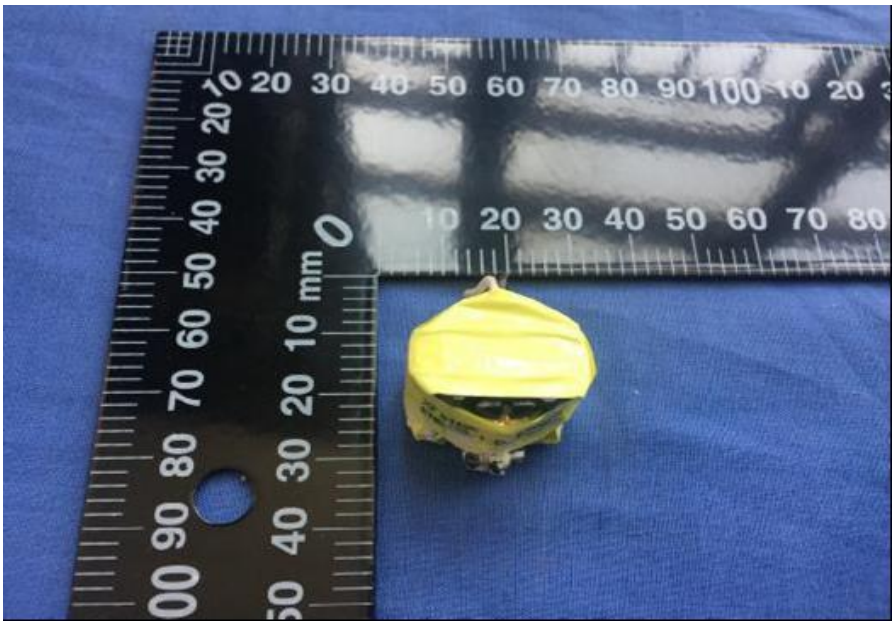
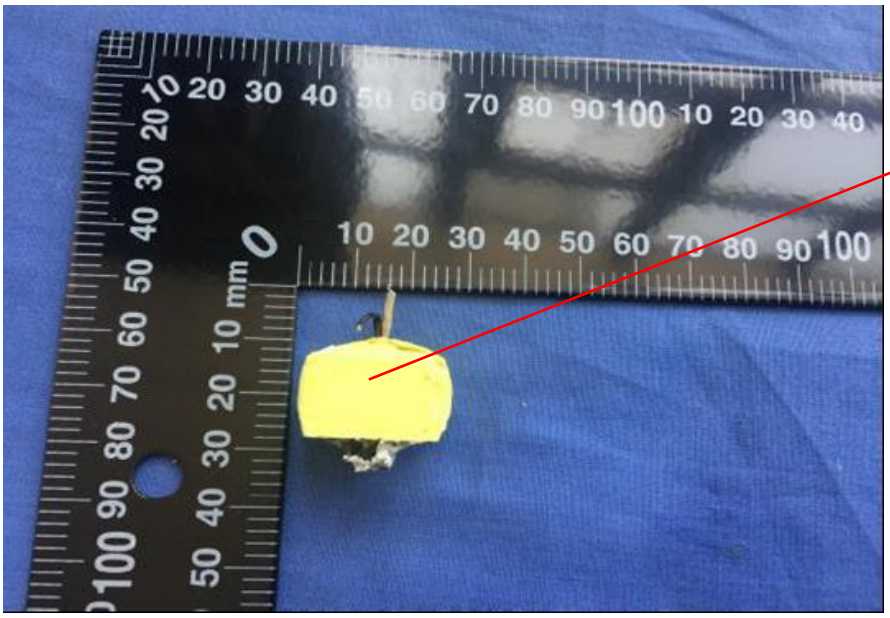


Photo 8- Internal view of Transformer



3.0 Product Photographs

Photo 9- Internal view of Transformer

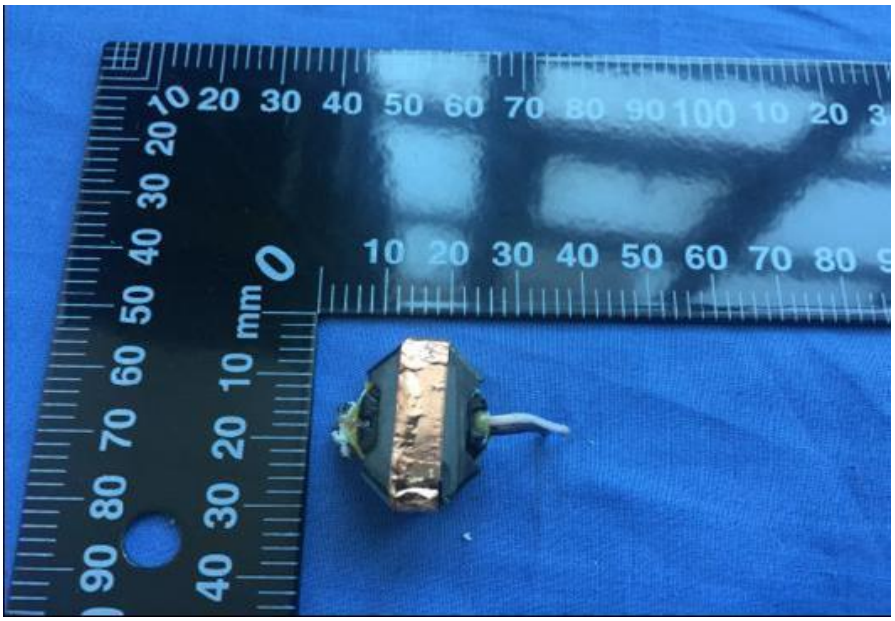
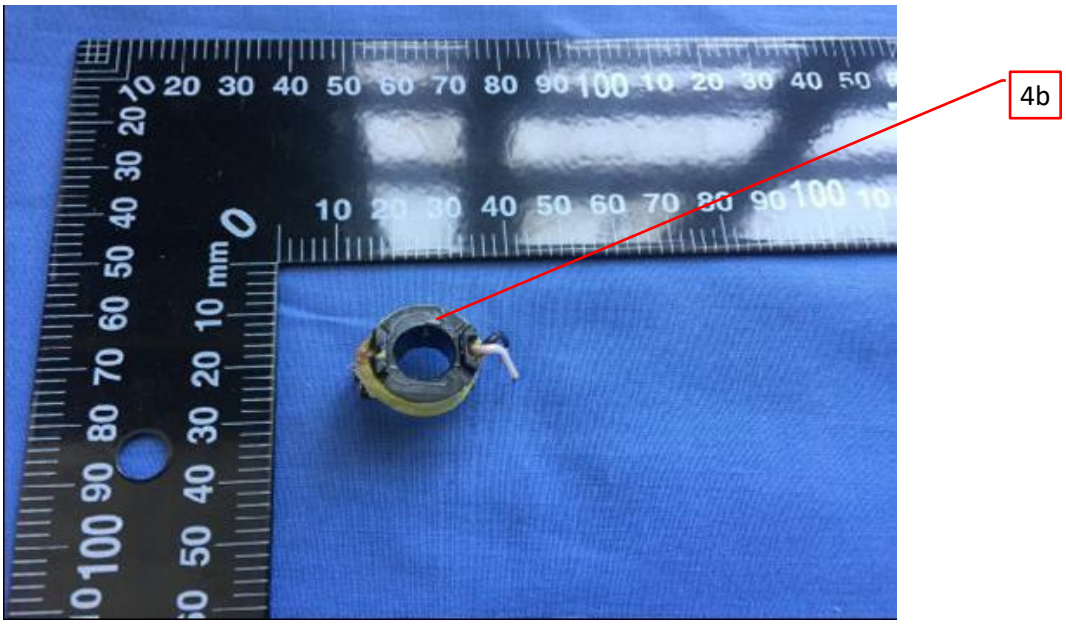


Photo 10- Internal view of Transformer



3.0 Product Photographs

Photo 11- Internal view of Transformer

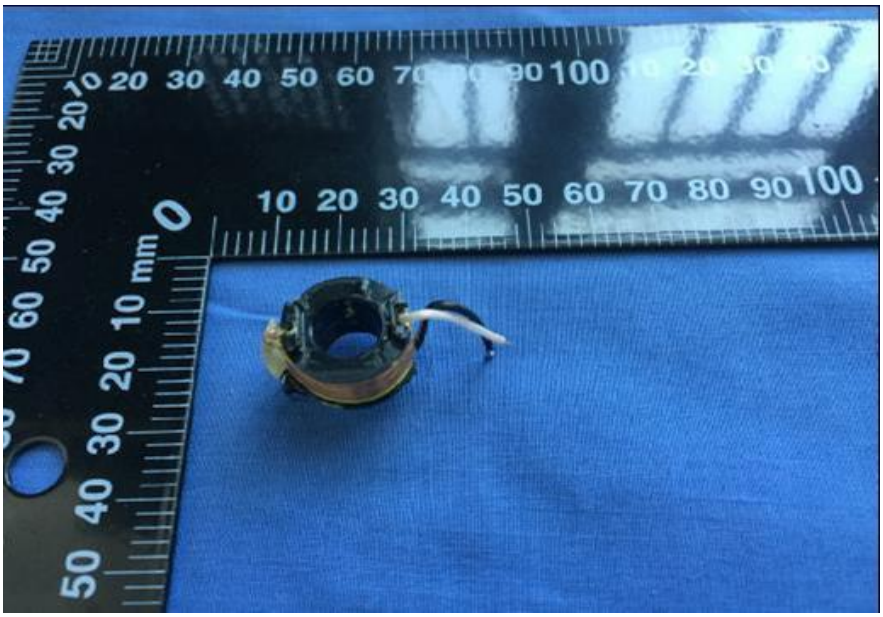
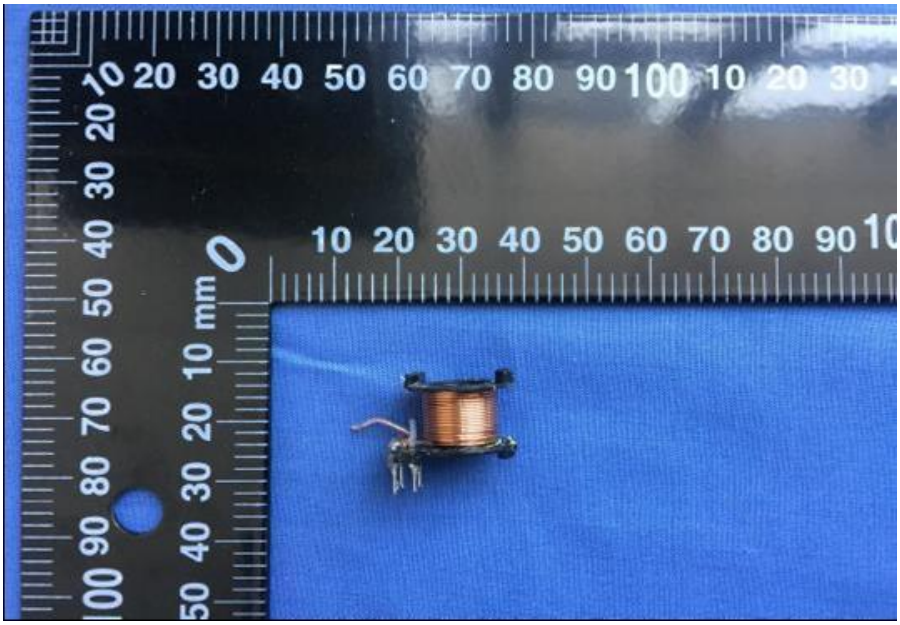


Photo 12- Internal view of Transformer



3.0 Product Photographs

Photo 13- Internal view of Transformer

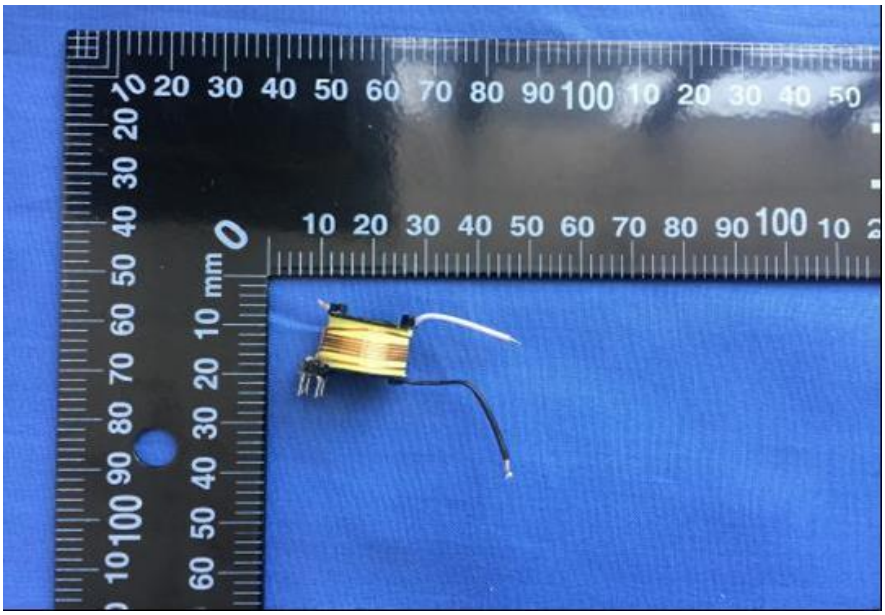
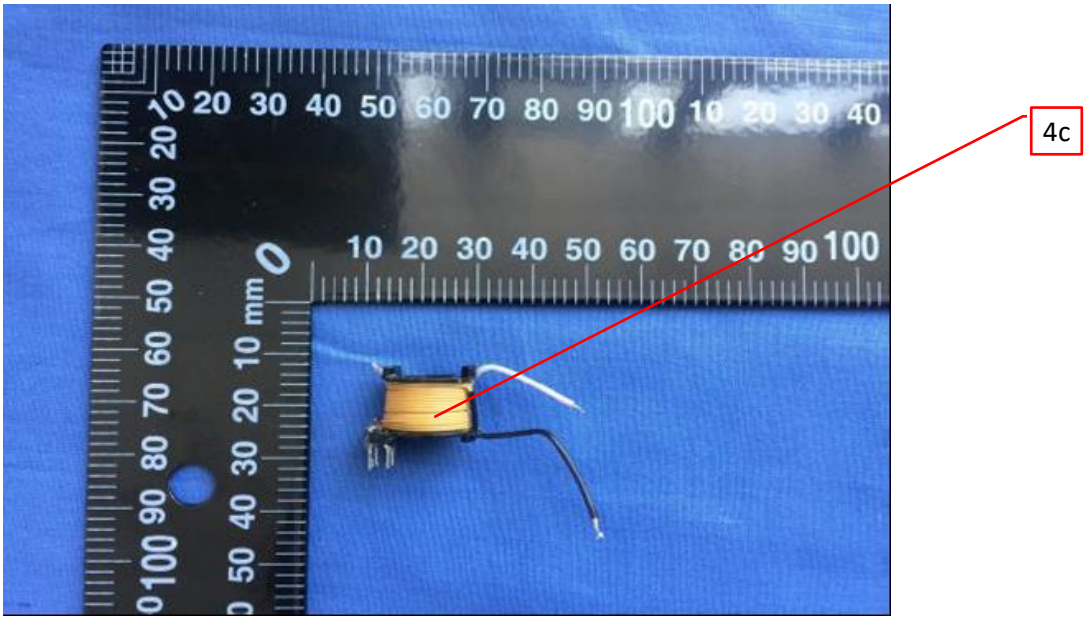
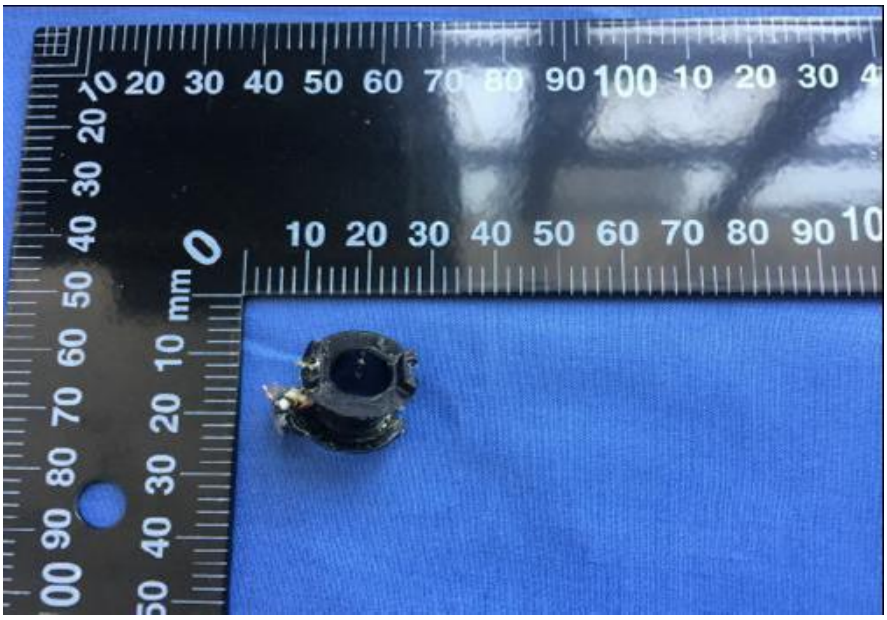


Photo 14- Internal view of Transformer



3.0 Product Photographs

Photo 15 - Internal view of 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]
1	1	Enclsure	SABIC INNOVATIVE PLASTICS US L L	915R(GG)	Min. V-0, Min. 120°C, Min. 2.0mm thickness	cURus
			LG Chem (Guangzhou) Engineering Plastics Co Ltd	LUPOY EF-1006F(m)	Min. V-0, Min. 120°C, Min. 2.0mm thickness	cURus
			Covestro Deutschland AG [PC Resins]	FR6005 + (z)	Min. V-0, Min. 105°C, Min. 2.0mm thickness	cURus
			SILVER AGE ENGINEERING PLASTICS	PC2330	Min. V-0, Min. 115°C, Min. 2.0mm thickness	cURus
			SABIC INNOVATIVE PLASTICS B V	945(GG)	Min. V-0, Min. 120°C, Min. 2.0mm thickness	cURus
			SABIC JAPAN L L C	945(GG)	Min. V-0, Min. 120°C, Min. 2.0mm thickness	cURus
6	2	PCB	WALEX ELECTRONIC (WUXI) CO LTD	T2 T2A T2B T4	Min. 1.6 mm thickness, min. V-0, 130°C	cURus
			Various	Various	Min. 1.6 mm thickness, min. V-0, 130°C	cURus
4	3	Fuse (FS1)	CONQUER ELECTRONICS CO LTD	MST PTU	T2AL, 250Vac	cURus
			SUZHOU WALTER ELECTRONIC CO LTD	ICP 2010	T2AL, 250Vac	cURus
			Bel Fuse Ltd.	RST RSTA	T2AL, 250Vac	cURus
			Bel Fuse Ltd.	MRT	T2AL, 250Vac	cURus
			DONGGUAN BETTER ELECTRONICS TECHNOLOGY CO LTD	932 334	T2AL, 250Vac	cURus
			SHENZHEN LANSON ELECTRONICS CO LTD	SMT	T2AL, 250Vac	cURus
			ZHONG LHAN LANBAO ELECTRICAL APPLIANCES CO LTD	RTI-10 Series	T2AL, 250Vac	cURus
4	4	Transformer (T1)	GlobTek/ENG	XF01032	Class B, for 5-8.9V	NR
				XF01033	Class B, for 9-14.9V	NR
				XF01034	Class B, for 15-24V	NR
				XF01035	Class B, for 24.1-48V	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]
4	4a	Insulation system (not shown)	GlobTek,Inc	GTX-130-TM	Class B	cURus
			ENG	ENG130-1	Class B	cURus
10	4b	Bobbin	CHANG CHUN PLASTICS CO LTD	T375J(G5)(G6)	Phenolic, V-0, 150°C, Min. 0.45mm thickness	cURus
				T373J	Phenolic, V-0, 150°C, Min. 0.45mm thickness	cURus
				T375HF	Phenolic, V-0, 150°C, Min. 0.45mm thickness	cURus
14	4c	Triple-insulated wire (Secondary)	GREAT LEOFLON INDUSTRIAL CO LTD	TRW(B) Series	130°C	cURus
				TRW(F) Series	130°C	cURus
			Furukawa Electric Co., Ltd.	TEX-E	130°C	cURus
			HOI LUEN ELECTRICAL MFR CO LTD	THL-F Series,	130°C	cURus
				THL-F-SB Series		
			TOTOKU ELECTRIC CO LTD	TIW-2X Series	130°C	cURus
8	4d	Insulating tape	3M COMPANY	1350F-1 (b)	130°C	cURus
				1350T-1 (b)		
				44 (a)		
			BONDTEC PACIFIC CO LTD	370S (b)	130°C	cURus
			JINGJIANG YAHUA PRESSURE SENSITIVE GLUE CO LTD	PZ Series	130°C	cURus
				CT Series)		
				WF Series		
			JINGJIANG JINGYI ADHESIVE PRODUCT CO LTD	JY25-A (b)	130°C	cURus
			CHANG SHU LIANG YI TAPE INDUSTRY CO LTD	LY-XX*	130°C	cURus
8	4e	Tube (not shown)	GREAT HOLDING INDUSTRIAL CO LTD	TFT	200°C,VW-1	cURus
				TFS		
				TFL		
			SHENZHEN WOER HEAT-SHRINKABLE MATERIAL CO LTD	WF	200°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]
5	5	X capacitor (CX1) (optional)	Cheng Tung Industrial Co., Ltd.	CTX	Max 0.33µF, Min.250V, min. 100℃, Min.X2 type	cURus
			TENTA ELECTRIC INDUSTRIAL CO LTD	MEX	Max 0.33µF, Min.250V, min. 100℃, Min. X2 type	cURus
			JOEY ELECTRONICS (DONG GUAN) CO LTD	MPX	Max 0.33µF, Min.250V, min. 100℃, Min.X2 type	cURus
			ULTRA TECH XIPHI ENTERPRISE CO LTD	HQX	Max 0.33µF, Min.250V, min. 100℃, Min.X2 type	cURus
			DONGGUAN EASY-GATHER ELECTRONIC CO LTD	MKP-X2	Max 0.33µF, Min.250V, min. 100℃, Min. X2 type	cURus
			Xiangtai Electronic (Shenzhen) Co., Ltd.	MKP MPX	Max 0.33µF, Min.250V, min. 100℃, Min.X2 type	cURus
			CARLI ELECTRONICS CO LTD	MPX	Max 0.33µF, Min.250V, min. 100℃, Min.X2 type	cURus
			Dain Electronics Co., Ltd.	MEX MPX NPX	Max 0.33µF, Min.250V, min. 100℃, Min.X2 type	cURus
			Yuon Yu Electronics Co. Ltd.	MPX Series	Max 0.33µF, Min.250V, min. 100℃, Min.X2 type	cURus
			Sinhua Electronics (Huzhou) Co., Ltd	MPX	Max 0.33µF, Min.250V, min. 100℃, Min.X2 type	cURus
			SHANTOU HIGH-NEW TECHNOLOGY DEVELOPMNT ZONE SONGTIAN ENTERPRISE CO LTD	MPX MKP	Max 0.33µF, Min.250V, min. 100℃, Min.X2 type	cURus
			TDK CORPORATION	CD	Min.250V, Min.125℃, Max.2200pF, Y1 type	cURus
			SUCCESS ELECTRONICS CO LTD	SE	Min.250V, Min.125℃, Max.2200pF, Y1 type	cURus
			Success Electronics Co., Ltd.	SB	Min.250V, Min.125℃, Max.2200pF, Y1 type	cURus
			Walsin Technology Corp	AH	Min.250V, Min.125℃, Max.2200pF, Y1 type	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]
5	6	Y capacitor (CY1,CY2) (optional)	Haohua Electronic Co. Ltd.	CT7	Min.250V, Min.125℃, Max.2200pF, Y1 type	cURus
			Xiangtai Electronic (Shenzhen) Co., Ltd.	YO-series	Min.250V, Min.125℃, Max.2200pF, Y1 type	cURus
			MURATA MFG CO LTD	KX	Min.250V, Min.125℃, Max.2200pF, Y1 type	cURus
			JYH CHUNG ELECTRONICS CO LTD	JD	Min.250V, Min.125℃, Max.2200pF, Y1 type	cURus
			WELSON INDUSTRIAL CO LTD	WD	Min.250V, Min.125℃, Max.2200pF, Y1 type	cURus
			SHANTOU HIGH-NEW TECHNOLOGY DEVELOPMNT ZONE SONGTIAN ENTERPRISE CO LTD	CD	Min.250V, Min.125℃, Max.2200pF, Y1 type	cURus
			Walsin Technology Corp	AC	Min.250V, Min.125℃, Max.2200pF, Y2 type	cURus
			TDK-EPC Corporation, Capacitors Group Circuit Devices Business Group	CS	Min.250V, Min.125℃, Max.2200pF, Y2 type	cURus
			Murata Mfg. Co., Ltd.	KY	Min.250V, Min.125℃, Max.2200pF, Y2 type	cURus
			SUCCESS ELECTRONICS CO LTD	SF	Min.250V, Min.125℃, Max.2200pF, Y2 type	cURus
5	7	Varistor MOV1 (Optional)	Thinking Electronic Industrial Co., Ltd.	TVR10471K	Min. 385Vac, 105°C, Coating V-0	cURus
				TVR10621K		
			Shantou High-New Technology Dev. Zone Songtian Enterprise Co., Ltd.	10D621K	Min. 385Vac, 125°C, Coating V-0	cURus
				14D621K		
			Xiamen Set Electronics Co., Ltd.	TFV8S471K	Min. 250Vac, 105°C, Coating V-0, Rated function Temp: 145°C, Fuse Temp: (140±2) °C	cURus
				TFV10S471K		
			Guangdong Huiwan Electronics Technology Co Ltd	V-621K-10 DH	Min. 385Vac, Min.125°C, Coating V-0	cURus
				V-621K-14 DH		

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	Photo coupler (US2)	Everlight Electronics Co., Ltd.	EL1018	Ext. Cr&Cl:≥8.0mm, DTI: ≥0.4mm, Thermal cycling test, Min. 110°C	cURus
			Shenzhen Orient Components Co. Ltd.	OR10xx	Ext. Cr&Cl:≥8.0mm, DTI: ≥0.4mm, Thermal cycling test, Min. 110°C	cURus
			COSMO Electronics Corporation	KT1018	Ext. Cr&Cl:≥8.0mm, DTI: ≥0.4mm, Thermal cycling test, Min. 115°C	cURus
			Lite-On Technology Corporation	LTV-1004	Ext. Cr&Cl:≥8.0mm, DTI: ≥0.4mm, Thermal cycling test, Min. 100°C	cURus
5	9	DC output cord	MONITRONICS CO LTD	2468	VW-1 or FT-1, Min.80°C Min. 24AWG	cURus
				1185		
				2464		
				1015		
			Various	Various	VW-1 or FT-1, Min.80°C Min. 24AWG	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.

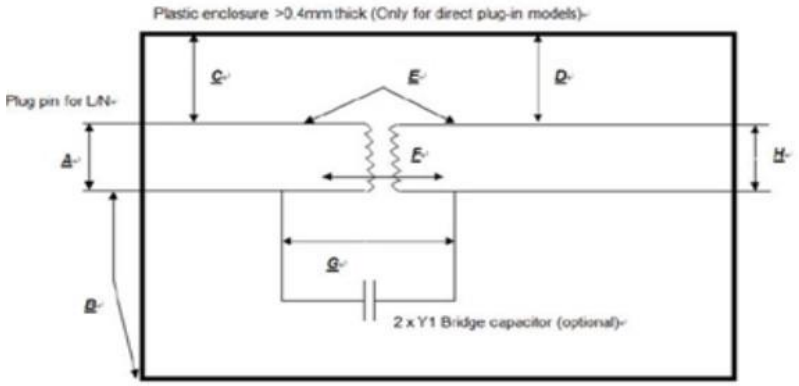
Critical Features/Components - An essential part, material, subassembly, system, software, or accessory of a product that has a direct bearing on the product's conformance to applicable requirements of the product standard.

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 - 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. Polarized Connection - This product is provided with a polarized power supply connection.
4. 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
5. Transformer - Supplier records must be provided that indicate the received shipment of transformers(section 4.0, item 4 was constructed as indicated in Illustrations 2-5. These records must be available at the factory for inspection on every received shipment.

7.0 Illustrations

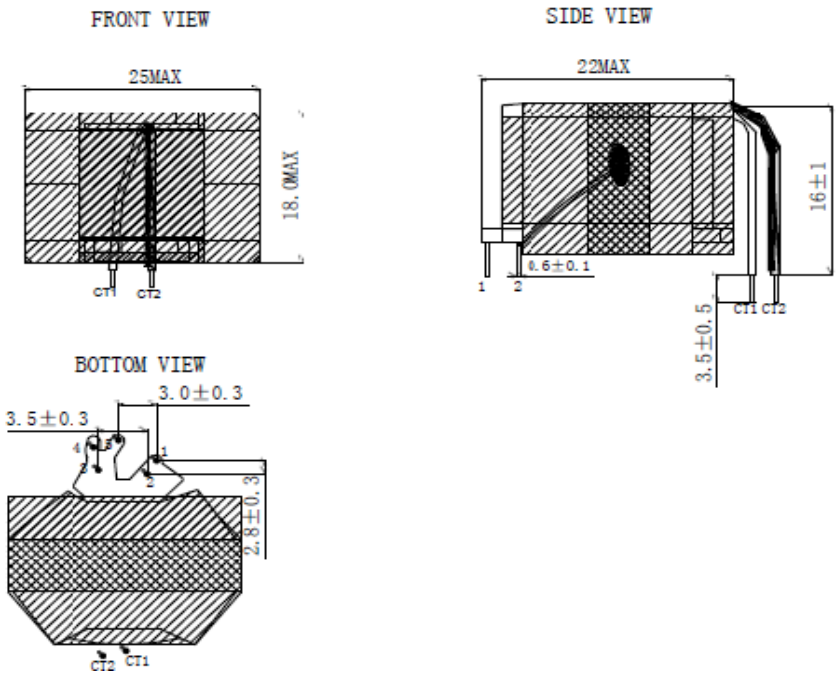
Illustration 1 - Spacings

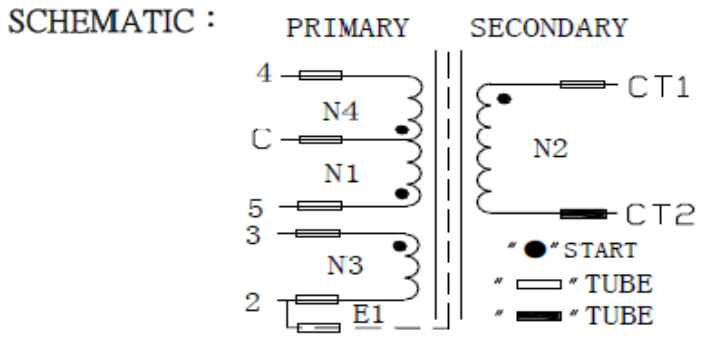


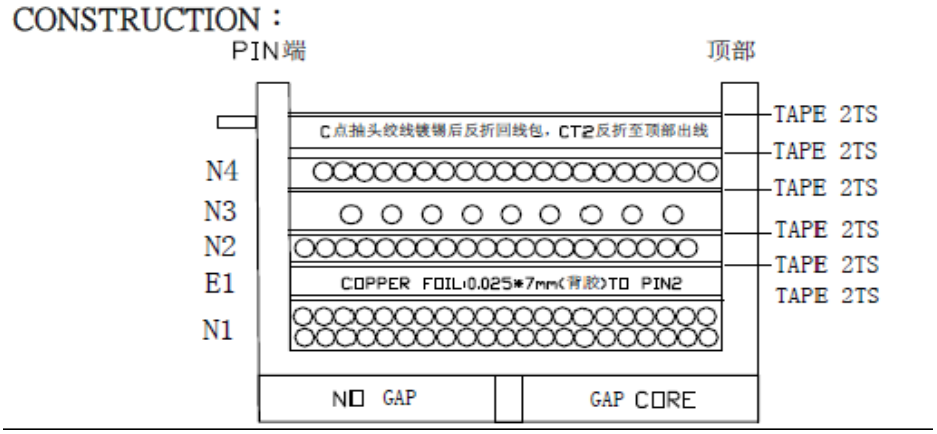
Area	Number and type of Means of Protection: MOOP, MOPP	CTI	Working voltage		Required creepage (mm)	Required clearance (mm)	Measured creepage (mm)	Measured clearance (mm)	Remarks
			V_{rms}	V_{pk}					
A	1MOOP	IIIb	240	340	3	3.4	3.6	3.6	Mains opposite polarity
B	2MOPP	IIIb	240	340	8.0	5.0	8.2	8.2	Mains (plug pin) to enclosure (accessible position during normal use)
C	2MOPP	IIIb	240	340	--	--	--	--	Mains to external of enclosure (>0.4mm thick plastic enclosure, solid insulation)
D	2MOPP	IIIb	--	Max. 48	--	--	--	--	Secondary to external of enclosure (>0.4mm thick plastic enclosure, solid insulation)
E	2MOPP	IIIb	240	456	8.0	5.0	10.2	5.3	Mains to secondary on PCB
F	2MOPP	IIIb	240	456	8.0	5.0	10.2	5.3	Mains to secondary on transformer
G	2MOPP	IIIb	240	456	8.0	5.0	10.5	10.5	Mains to secondary on bridge capacitors, see 8.5.1.2 and 8.8.3
H	2MOPP	IIIb	--	Max. 48	--	--	--	--	Accessible part per 8.4.2c)

7.0 Illustrations

Illustration 2 - Specification of Transformer XF01032

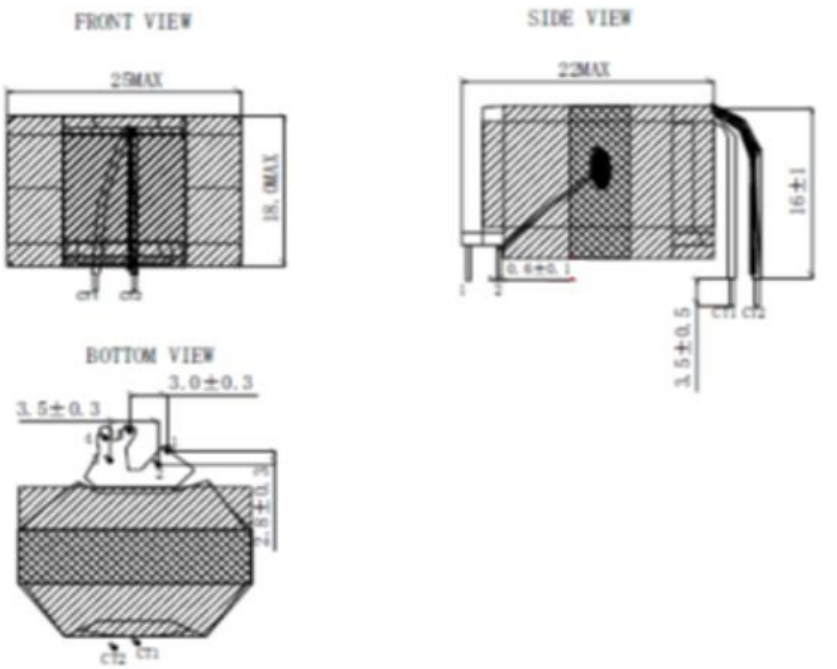




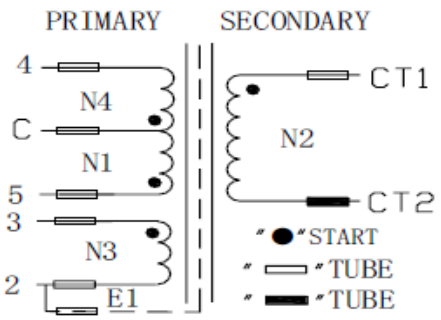


7.0 Illustrations

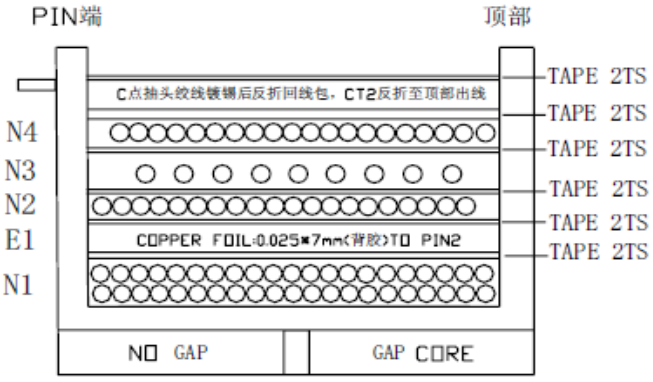
Illustration 3 - Specification of Transformer XF01033



SCHEMATIC：

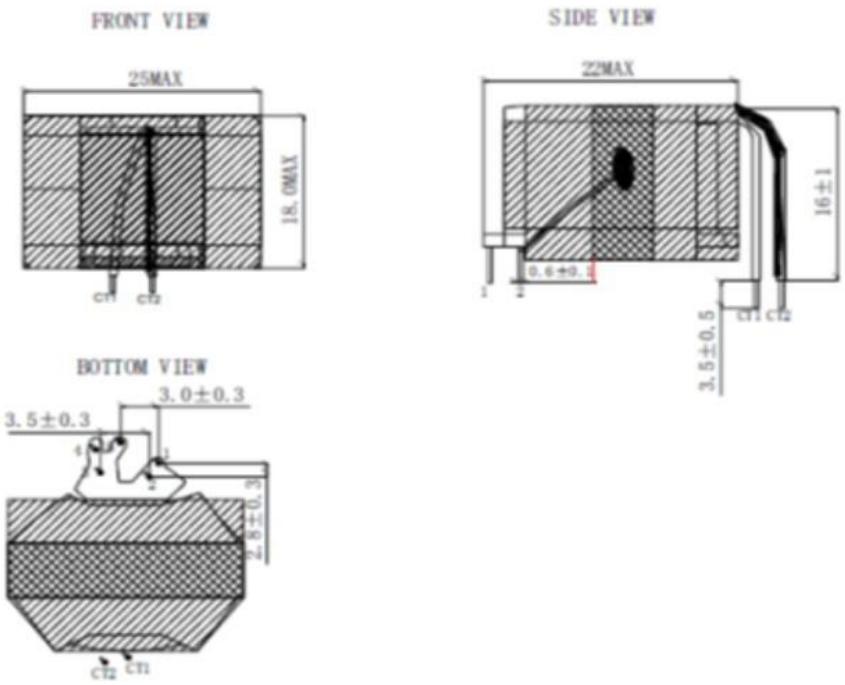


CONSTRUCTION：

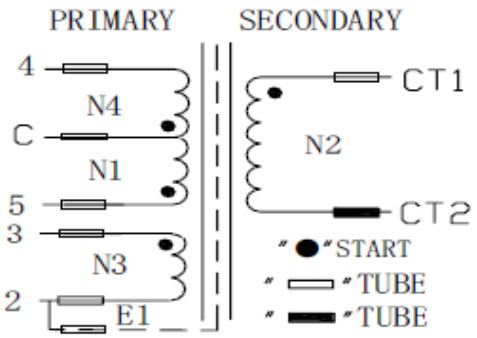


7.0 Illustrations

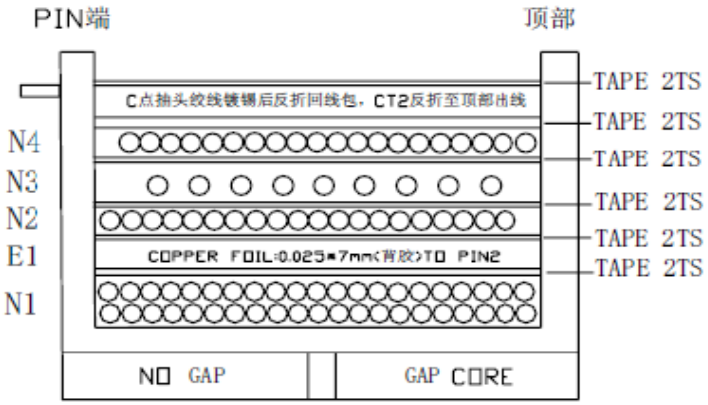
Illustration 4 - Specification of Transformer XF01034



SCHEMATIC：

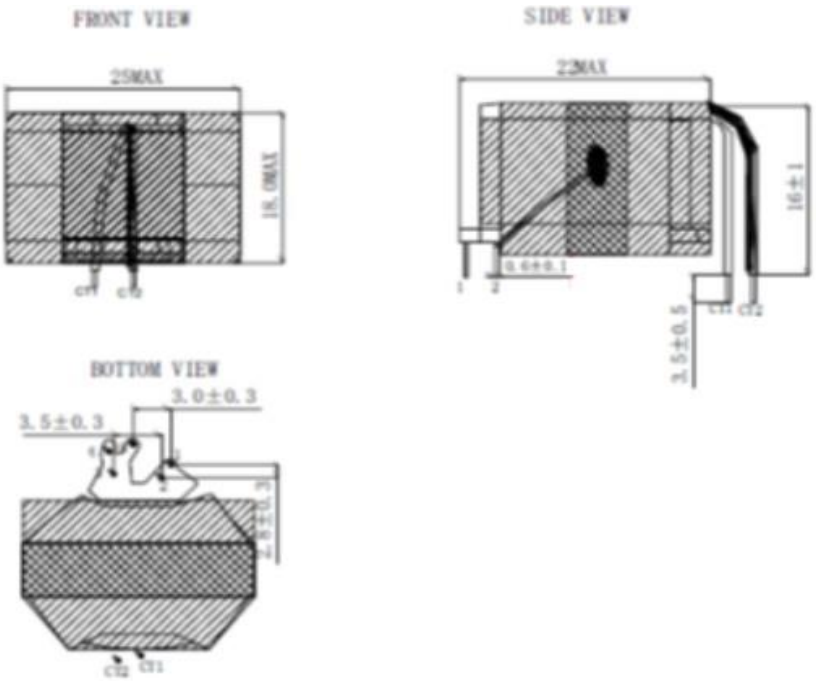


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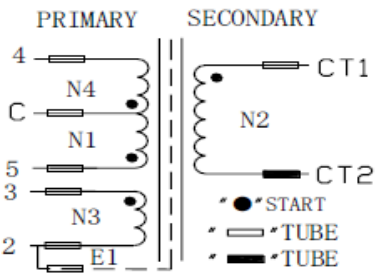


7.0 Illustrations

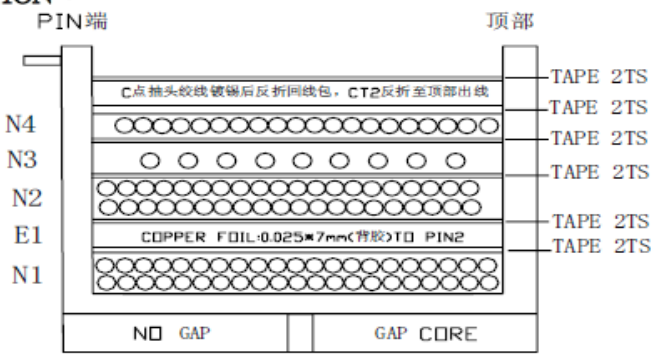
Illustration 5 - Specification of Transformer XF01035



SCHEMATIC：



CONSTRUCTION：



8.0 Test Summary					
Evaluation Period	30-Jul-2024 to 30-Augst-2024			Project No.	2407B2584SHA
Sample Rec. Date	30-Jul-2024	Condition	Prototype	Sample ID.	A240730-16-001
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	ANSI/AAMI ES60601-1:2005+A1;A2 CSA C22.2#60601-1:2014 Ed.3+A2 clause
Power input	4.11
Humidity preconditioning treatment	5.7
Determination of applied part and accessible parts	5.9.2
Legibility of marking	7.1.2
Durability of marking test	7.1.3
Plug discharge test	8.4.3
Working Voltage Measurement	8.5.4
Leakage current test	8.7
Dielectric strength test	8.8.3
Ball pressure test	8.8.4
Creepage and clearance measurements	8.9.4
Surfaces, corners and edges	9.3
Excessive temperatures in ME EQUIPMENT	11.1
Single fault conditions	13.2
Push Test	15.3.2
Impact Test	15.3.3
Drop Test	15.3.4
Moulding Stress Relief	15.3.6
Transformer short-circuit test	15.5.1.2
Transformer overload test	15.5.1.3
Transformer Dielectric Strength	15.5.2

Test Description	IEC 60601-1-6:2010 Ed.3+A1;A2 clause
No test.	

Test Description	IEC 60601-1-11:2015 Ed.2+A1 clause
Environmental condition test of transport and storage	4.2.2
Environmental operating condition test	4.2.3.1
Shock test	10.1.2 a)
Vibration test	10.1.2 b)

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:	Engineer	Title:	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 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 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 products covered by this Report. Between the mains part to secondary circuits	4000Vac	1 s

Product- Transformer of Section 4.0 Item 4:

Product	Test Voltage	Test Time
Between prim. to sec. output	4000Vac	1 min
Between prim. to core	1500Vac	1 min

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