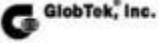


1.0 Reference and Address					
Report Number	200402484SHA-001	Original Issued:	12-Jun-2020	Revised:	None
Standard(s)	<p>Medical Electrical Equipment - Part 1: General Requirements For Basic Safety And Essential Performance [AAMI ES60601-1:2005 +A1]</p> <p>Medical Electrical Equipment - Part 1: General Requirements For Basic Safety And Essential Performance (R2018) [CSA C22.2#60601-1:2014 Ed.3]</p> <p>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]</p> <p>Medical Electrical Equipment - Part 1-6: General Requirements for Basic Safety and Essential Performance - Collateral Standard: Usability (R2016) [CSA C22.2#60601-1-6:2011 Ed.3+A1]</p> <p>Medical Elec. Equip.- Part 1-11: Gen. Req. For Basic Safety & Essential Perf.- Collateral Standard - Req. For Medical Elec. Equip. & Medical Elec. Systems Used In The Home Healthcare Environment [IEC 60601-1-11:2015 Ed.2]</p> <p>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 [CSA C22.2#60601-1-11:2015 Ed.2]</p>				
Applicant	GlobTek, Inc.	Manufacturer	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		

2.0 Product Description	
Product	Medical Power Supply
Brand name	
Description	<p>Product covered by this report is medical power supply module. All models have the same circuit diagram, PCB layout and transformer. All models can be output Max. 12W power, all electronic components are mounted on minimum V-1 PWB and housed sealed inside the plastic enclosure. All the types are designed for continuous operation and no applied part is defined. Altitude: 5000m</p>
Models	<p>GT followed by M, - or H; followed by 86101-; followed by 01 to 12; followed by 05.95, 07.5, 09, 12.0, 15.0 or 24.0; may be followed by -0.01 to -8.9; followed by -W2; may be followed by -USB; may be followed by six characters.</p> <p>GT followed by M, - or H; followed by 86101-; followed by 01 to 12; followed by 5.95, 7.5, 9.0, 12, 15 or 24; may be followed by -0.01 to -8.9; followed by -W2; may be followed by -USB; may be followed by six characters.</p>
Model Similarity	<p>GT*86101-***-W2***:</p> <p>The 1st "*" part can be 'M' or '-' or 'H' for market identification and not related to safety. The 2nd "*" denotes the rated output wattage designation, which can be "01" to "12", with interval of 1. The 3rd "*" denotes the standard rated output voltage designation, which can be "05.95", "07.5", "09", "12.0", "15.0", "24.0" or "5.95", "7.5", "9.0", "12", "15", "24". The 4th "*" is optional deviation, subtracted from standard output voltage, which can be "-0.01" to "-8.9" with interval of 0.01, or blank to indicate no voltage different. The 3rd "*" and 4th "*" together denote the output voltage, with a range of 5.95 -24Vdc. The 5th "*" designates type of plug and can be blank for North American plug. The 6th "*" can be "-USB" or blank, -USB denote the power supplies use USB port. When it is blank, denote the power supplies use DC output wires. The last "*" can be any six character 0 to 9 or A to Z, "()", "[]", "-" or blank for marketing purpose.</p>
Ratings	Input: 100-240V~, 50-60Hz or 50/60Hz, 0.3A; Output: 5.95-24Vdc, Max.2.0A, Max.12W.
Other Ratings	NA
Conditions of Acceptability	<p>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.</p> <p>1.Scope of Power Supply evaluation defers the following clauses to be determined as part of the end product investigation:</p> <ul style="list-style-type: none"> a) Clause 7.9 (Accompanying Documents of power adapter model are provided for some critical issue like technical data, safety warnings, necessary information to set up. Further evaluation is needed on end product level.), b) Clause 8.11.5 (Mains Fuse with High Breaking Capacity), c) Clause 9 (ME Hazard), except 9.1 and 9.3 are evaluated, d) Clause 10 (Radiation), e) Clause 11.7 (Biocompatibility), f) Clause 14 (PEMS), g) Clause 16 (ME Systems), h) Clause 17 (EMC)

3.0 Product Photographs

Photo 1 - External view of GT*86101-*-W2**

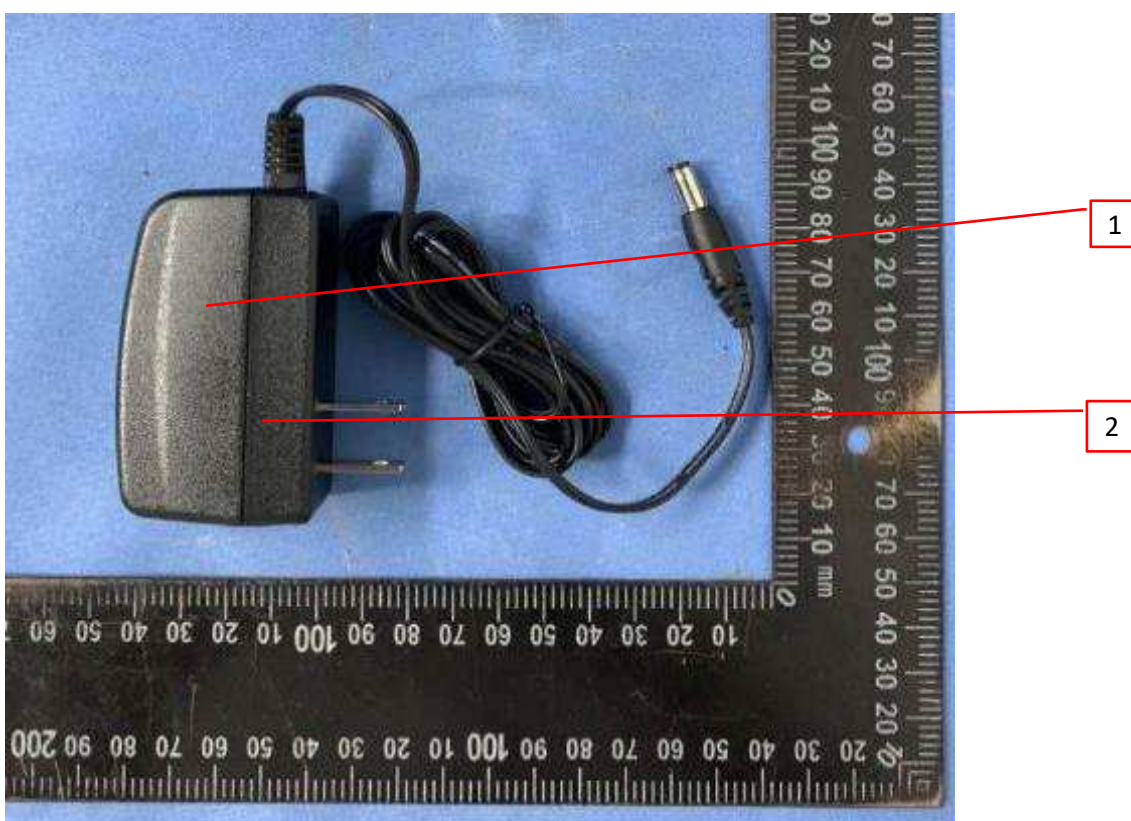


Photo 2 - External view of GT*86101-*-W2**



3.0 Product Photographs

Photo 3 - Internal view of GT*86101-*-W2**

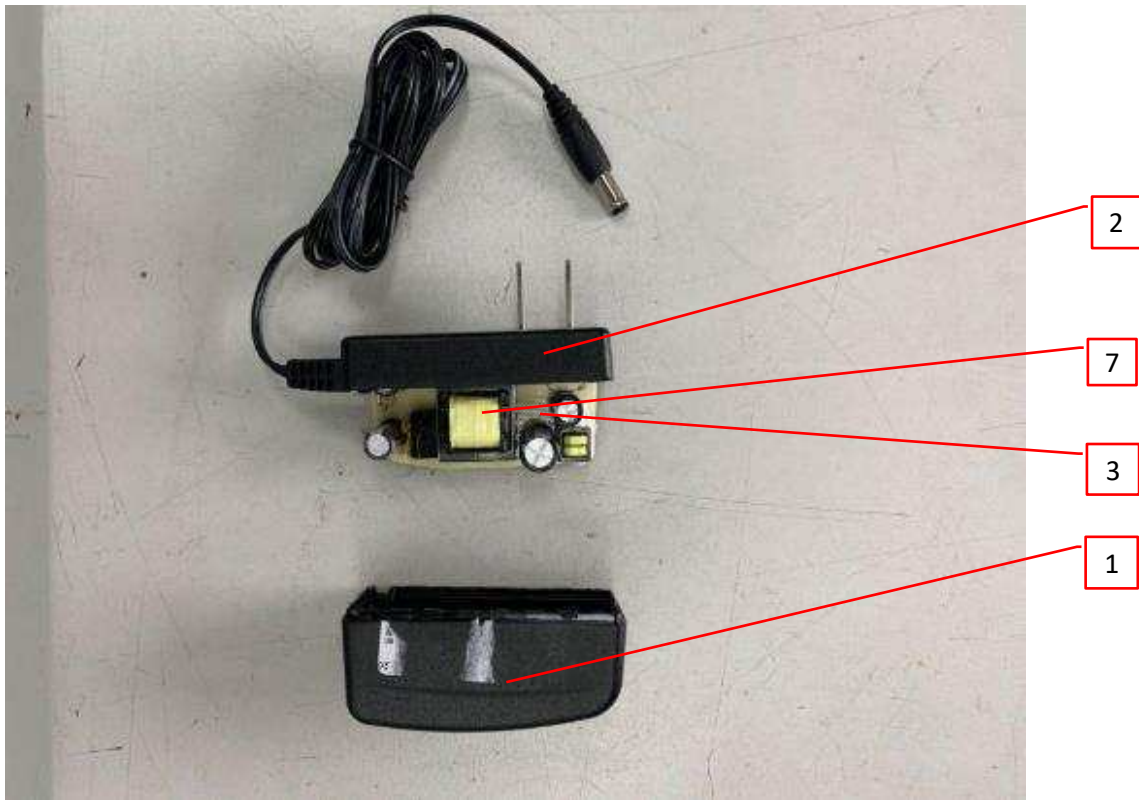
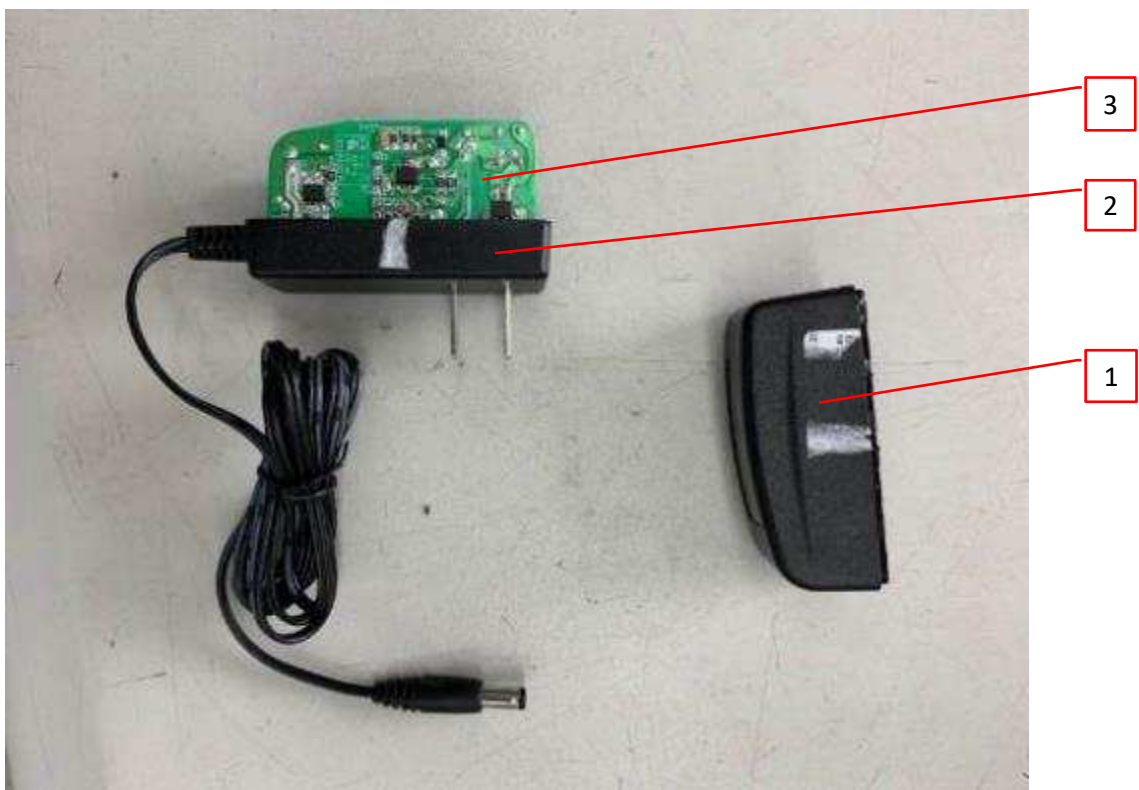


Photo 4 - Internal view of GT*86101-*-W2**



3.0 Product Photographs

Photo 5 - PCB view of EUT

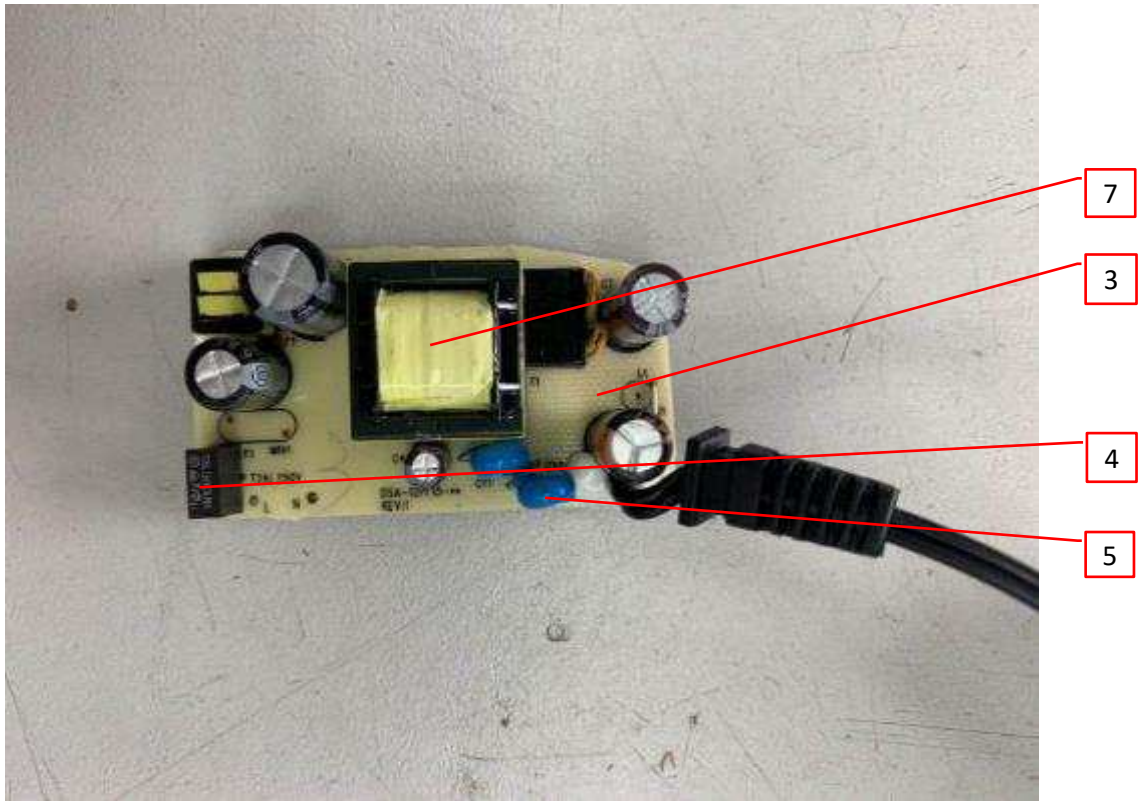
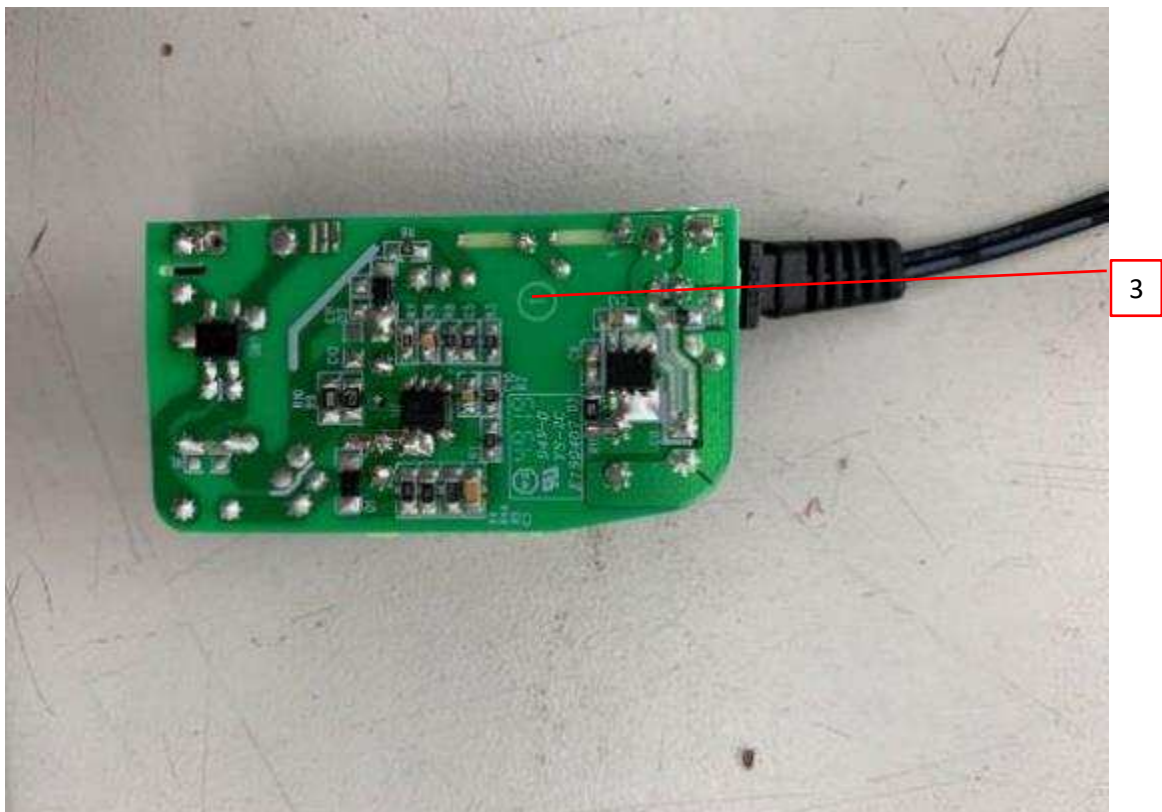


Photo 6 - PCB view of EUT



3.0 Product Photographs

Photo 7 - PCB view of EUT

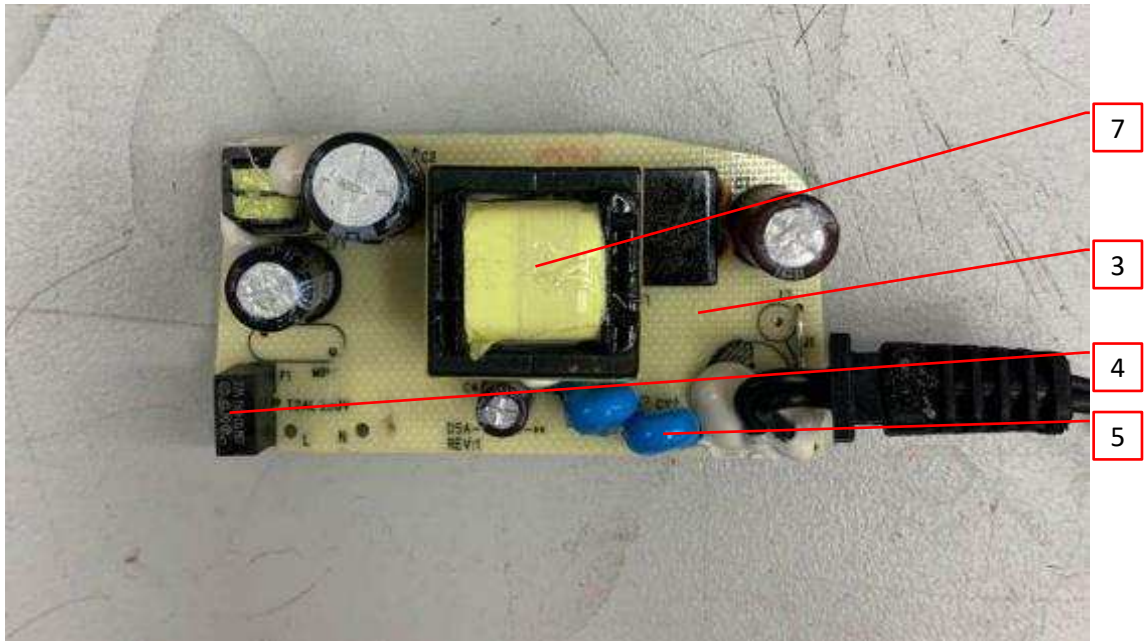
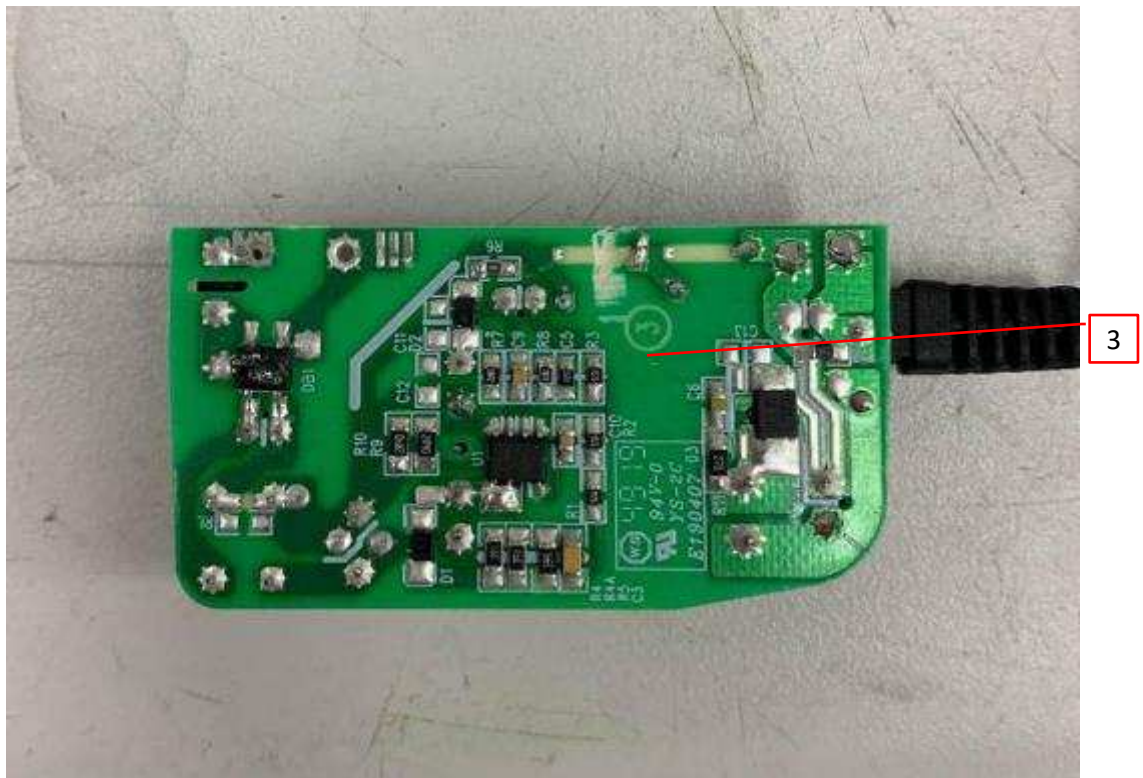
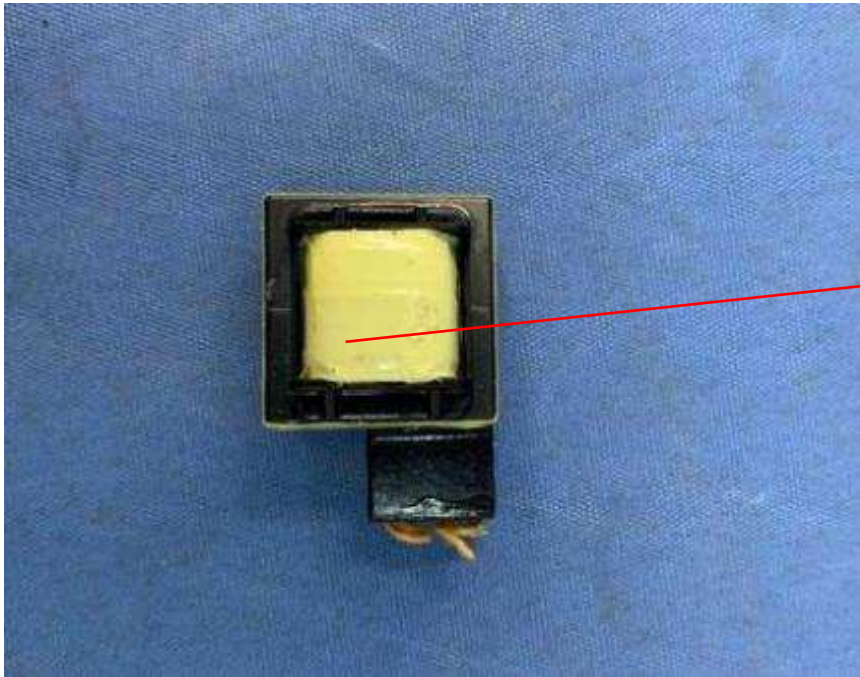


Photo 8 - PCB view of EUT



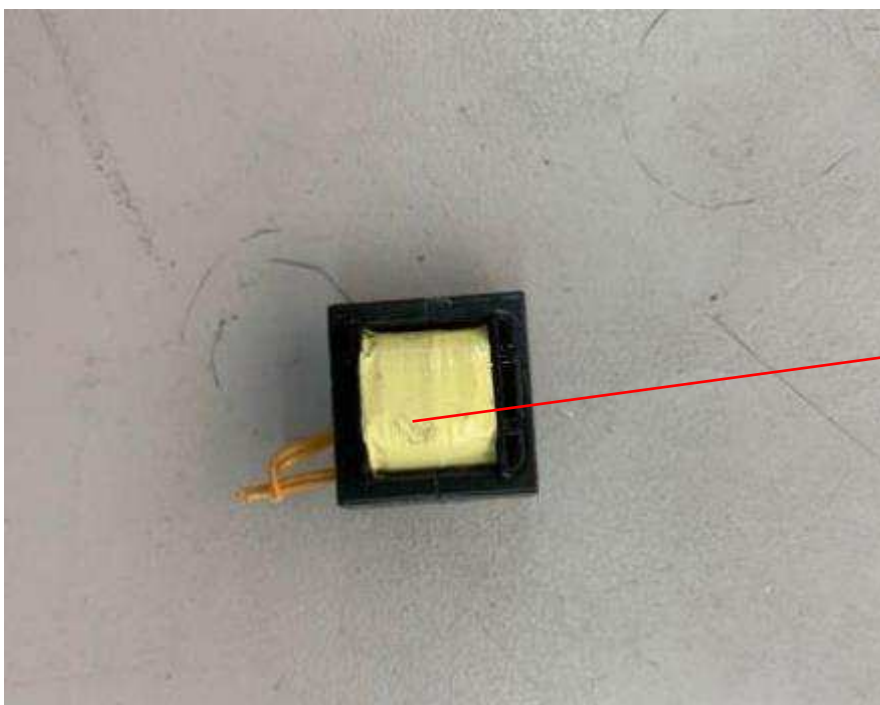
3.0 Product Photographs

Photo 9 - Transformer



7

Photo 10 - Transformer



7e

3.0 Product Photographs

Photo 11 - Transformer

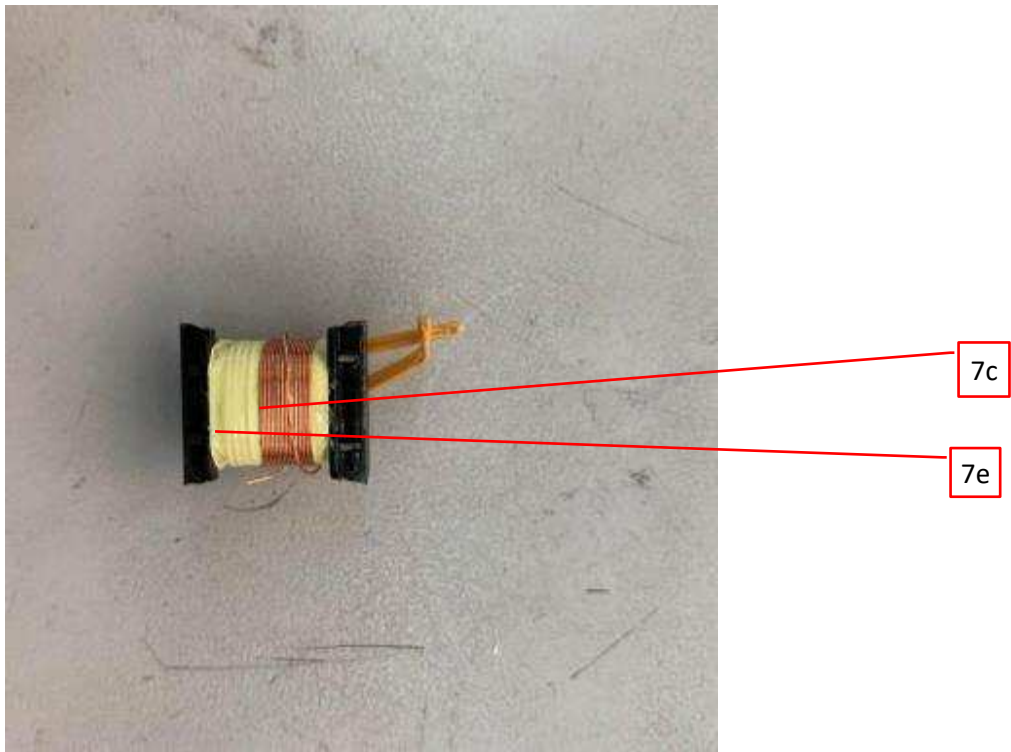
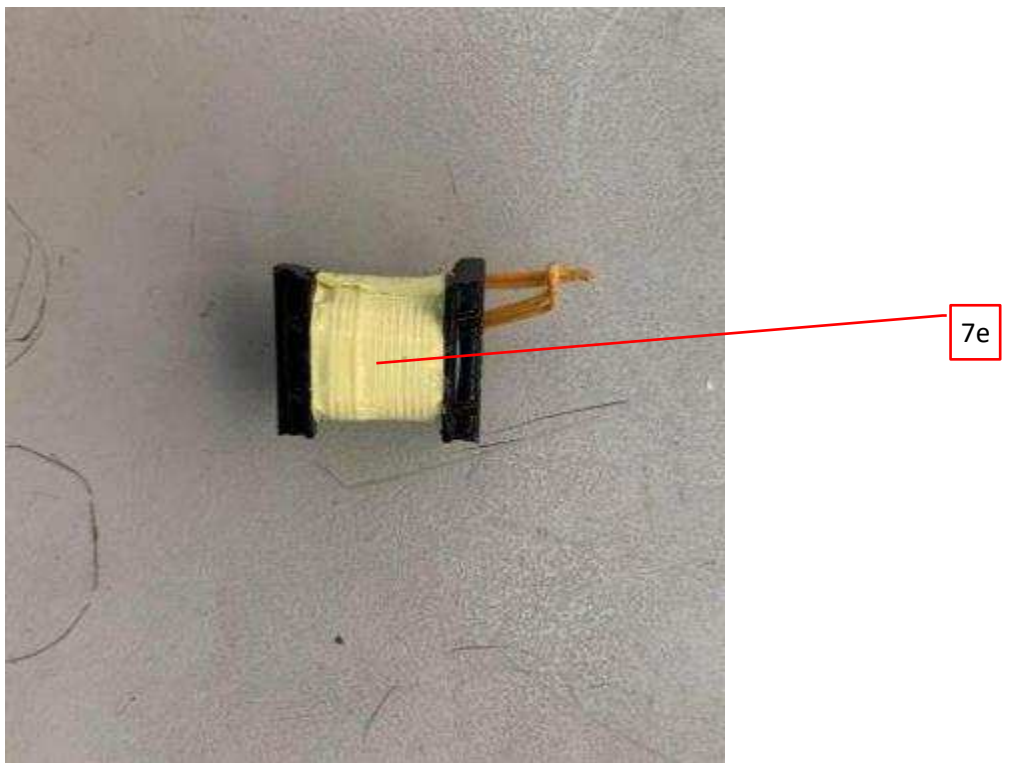
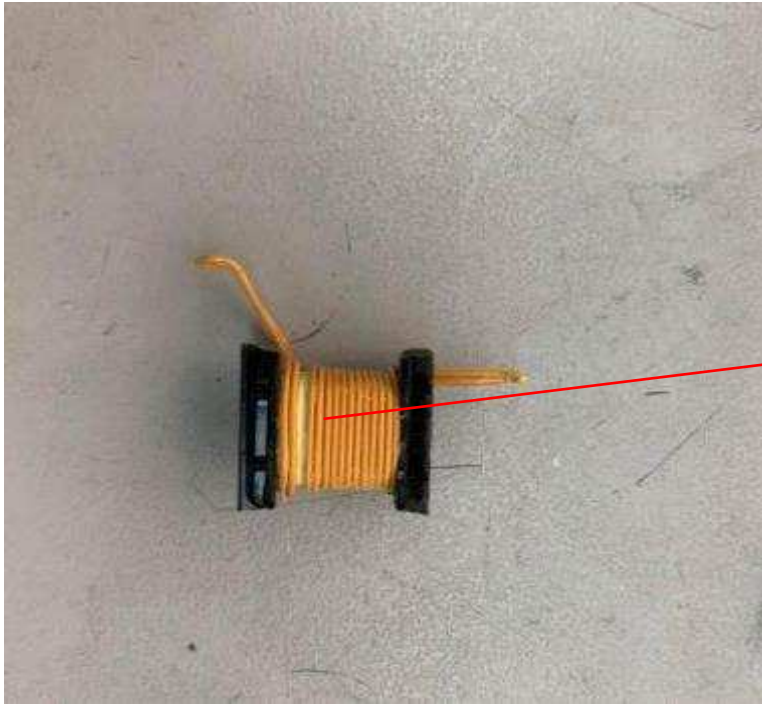


Photo 12 - Transformer



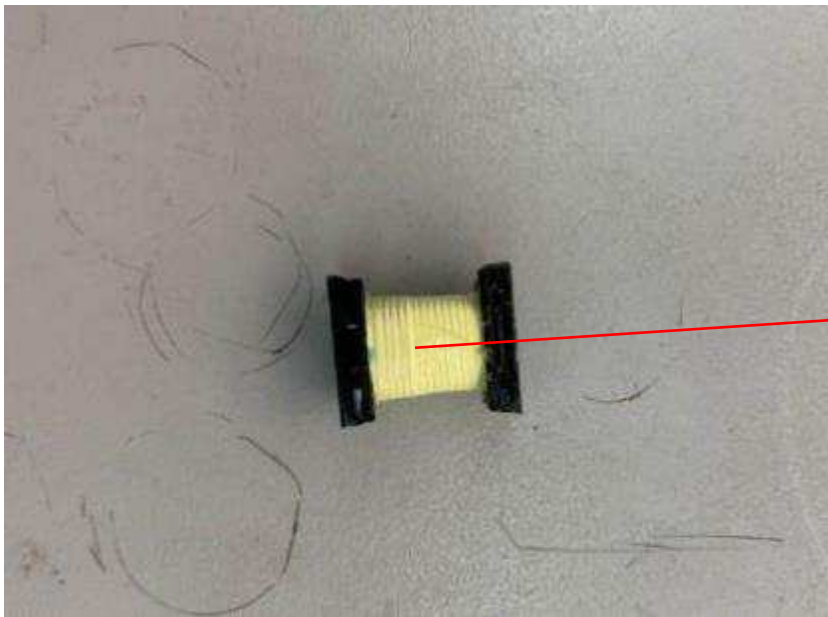
3.0 Product Photographs

Photo 13 - Transformer



7d

Photo 14 - Transformer



7e

3.0 Product Photographs

Photo 15 - Transformer

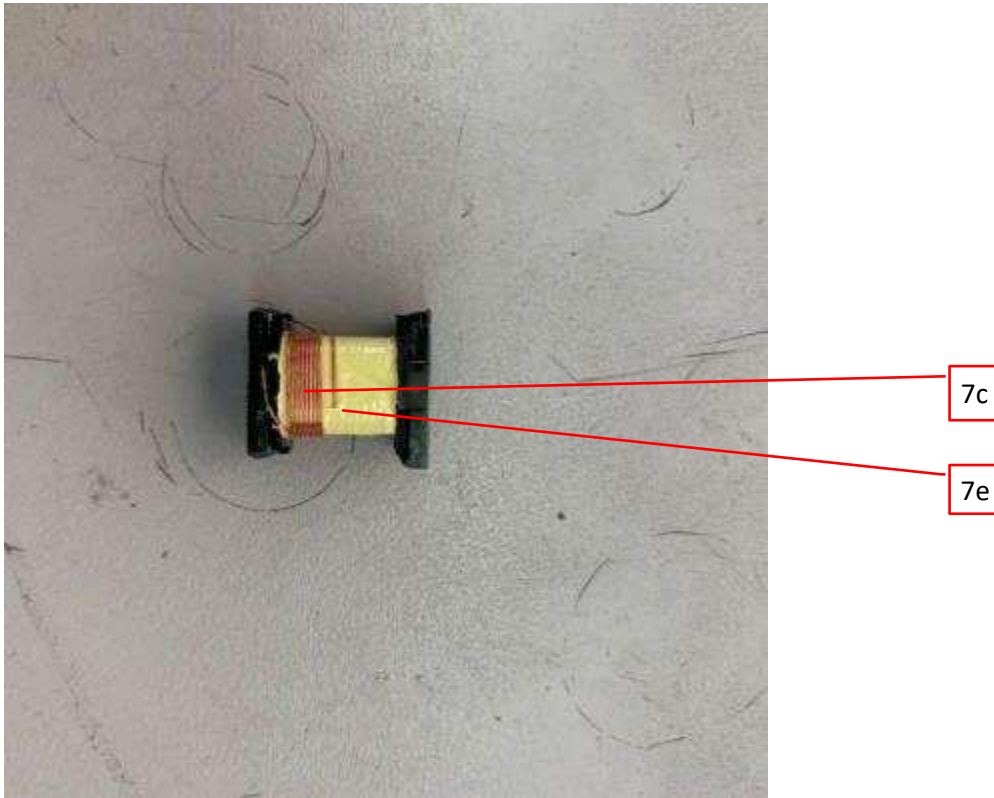
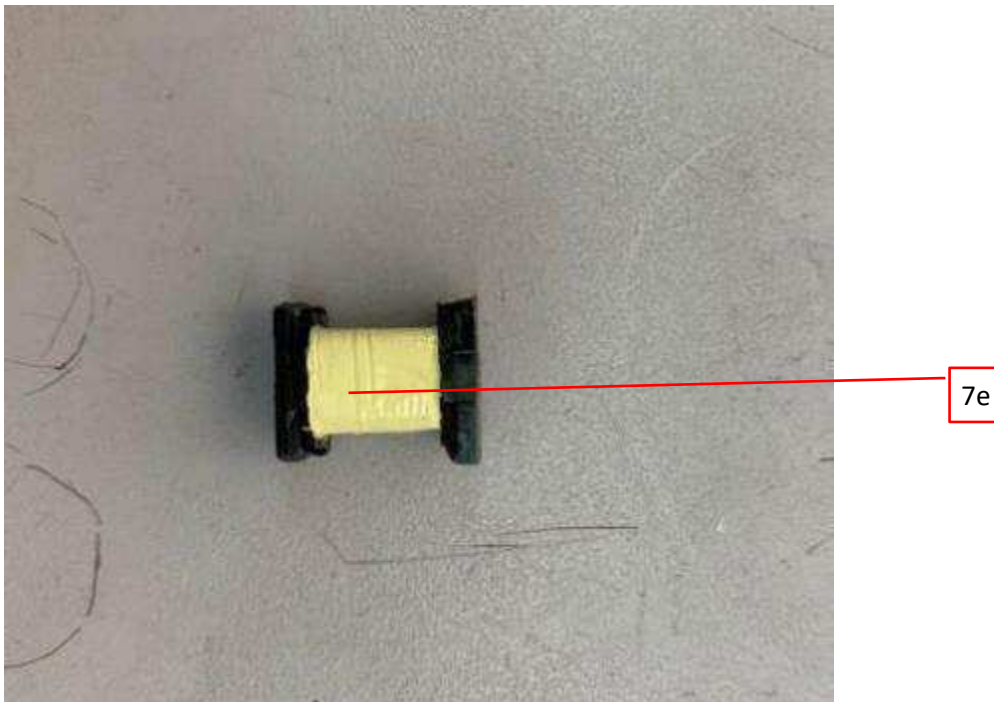


Photo 16 - Transformer



3.0 Product Photographs

Photo 17 - Transformer

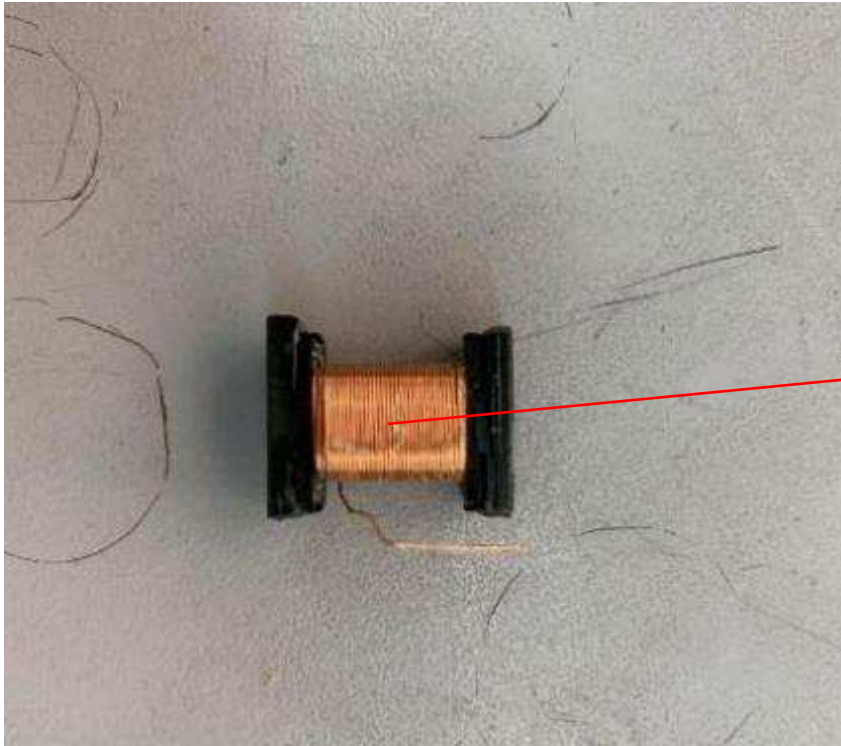
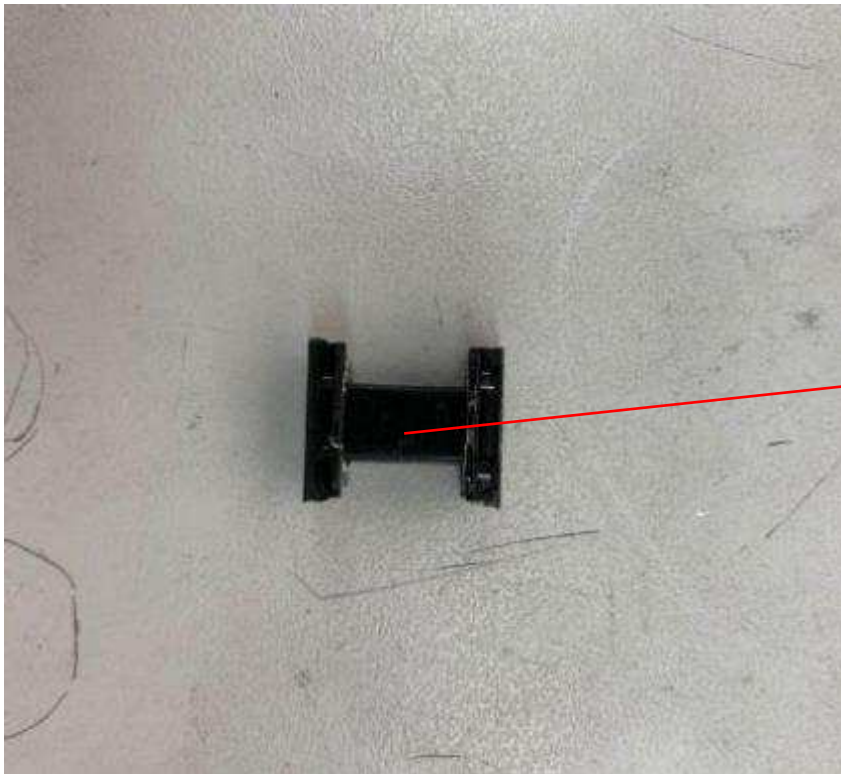


Photo 18 - Transformer



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, 2, 3, 4	1	Adaptor Enclosure	SABIC INNOVATIVE PLASTICS B V	SE1X	PPE+PS, Min. V-1, Min. thickness: 1.5mm, 105°C	cURus
				SE1		
			SABIC INNOVATIVE PLASTICS B V	SE100	PPE+PS, Min. V-1, Min. thickness: 1.5mm, 95°C	
			SABIC INNOVATIVE PLASTICS B V	C2950	PC/ABS, Min. V-0, Min. thickness: 1.5mm, 85°C	
			SABIC INNOVATIVE PLASTICS B V	CX7211	PC/ABS, Min. V-1, Min. thickness: 1.5mm, 90°C	
				EXCY0098		
			SABIC INNOVATIVE PLASTICS B V	945	PC, Min. V-1, Min. thickness: 1.5mm, 120°C	
			SABIC INNOVATIVE PLASTICS B V	HF500R	PC, V-0, Min. thickness: 1.5mm, 125°C	
			SABIC JAPAN L L C	SE1X	PPE+PS, Min. V-1, Min. thickness: 1.5mm, 105°C	
				SE1		
			SABIC JAPAN L L C	SE100	PPE+PS, Min. V-1, Min. thickness: 1.5mm, 95°C	
			SABIC JAPAN L L C	C2950	PC/ABS, Min. V-0, Min. thickness: 1.5mm, 85°C	
			SABIC JAPAN L L C	CX7211	PC/ABS, Min. V-1, Min. thickness: 1.5mm, 90°C	
				EXCY0098		
			SABIC JAPAN L L C	940	PC, Min. V-1, Min. thickness: 1.5mm, 120°C	
				945		
			SABIC JAPAN L L C	HF500R	PC, V-0, Min. thickness: 1.5mm, 125°C	
			SABIC JAPAN L L C	925U	PC, V-0, Min. thickness: 1.5mm, 115°C	
				CH6410		
			TEIJIN CHEMICALS LTD	LN-1250P	PC, Min. V-0, Min. thickness: 1.5mm, 115°C	
LN-1250G						
CHI MEI CORPORATION	PA-765A	ABS, Min. V-0, Min. thickness: 1.5mm, 85°C				
CHI MEI CORPORATION	PC-540	PC/ABS, Min. V-0, Min. thickness: 2.0mm, 70°C				
ASAHI KASEI CORPORATION	540V	Min. V-1, Min. thickness: 1.5mm, 100°C				
COVESTRO DEUTSCHLAND AG(PC RESINS)	FR6005	Min. V-0, Min. thickness: 1.5mm, 100°C				
	6485					
IDEMITUS KOSAN CO LTD	AZ2201	Min. V-0, Min. thickness: 1.5mm, 100°C				

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
			SABIC JAPAN L L C	N1250	PPE+PS, V-0, 105°C, Min. thickness: 1.5mm	
			Covestro Deutschland AG.	FR6005	PC, V-0, 105°C, Min. thickness: 1.5mm	
			Asahi Kasei	540Z	PPE+PS, V-0, 105°C, Min. thickness: 1.5mm	
			LG Chemical	EF-1006F(m)	PC, V-0, 115°C, min. thickness: 1.5mm	
			SABIC Japan L L C	925(GG) 945(GG)	PC, V-0, 115°C, minimum 1.5 mm thickness.	
1, 2, 3, 4	2	Plug holder	SABIC INNOVATIVE PLASTICS B V	SE1X SE1	PPE+PS, Min. V-1, Min. thickness: 1.5mm, 105°C	cURus
			SABIC INNOVATIVE PLASTICS B V	SE100	PPE+PS, Min. V-1, Min. thickness: 1.5mm, 95°C	
			SABIC INNOVATIVE PLASTICS B V	C2950	PC/ABS, Min. V-0, Min. thickness: 1.5mm, 85°C	
			SABIC INNOVATIVE PLASTICS B V	CX7211 EXCY0098	PC/ABS, Min. V-1, Min. thickness: 1.5mm, 90°C	
			SABIC INNOVATIVE PLASTICS B V	945	PC, Min. V-1, Min. thickness: 1.5mm, 120°C	
			SABIC INNOVATIVE PLASTICS B V	HF500R	PC, V-0, Min. thickness: 1.5mm, 125°C	
			SABIC JAPAN L L C	SE1X SE1	PPE+PS, Min. V-1, Min. thickness: 1.5mm, 105°C	
			SABIC JAPAN L L C	SE100	PPE+PS, Min. V-1, Min. thickness: 1.5mm, 95°C	
			SABIC JAPAN L L C	C2950	PC/ABS, Min. V-0, Min. thickness: 1.5mm, 85°C	
			SABIC JAPAN L L C	CX7211 EXCY0098	PC/ABS, Min. V-1, Min. thickness: 1.5mm, 90°C	
			SABIC JAPAN L L C	940 945	PC, Min. V-1, Min. thickness: 1.5mm, 120°C	
			SABIC JAPAN L L C	HF500R	PC, V-0, Min. thickness: 1.5mm, 125°C	
			SABIC JAPAN L L C	925U CH6410	PC, V-0, Min. thickness: 1.5mm, 115°C	
			TEIJIN CHEMICALS LTD	LN-1250P LN-1250G	PC, Min. V-0, Min. thickness: 1.5mm, 115°C	
			CHI MEI CORPORATION	PA-765A	ABS, Min. V-0, Min. thickness: 1.5mm, 85°C	
			CHI MEI CORPORATION	PC-540	PC/ABS, Min. V-0, Min. thickness: 2.0mm, 70°C	

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
			ASAHI KASEI CORPORATION	540V	Min. V-1, Min. thickness: 1.5mm, 100°C	
			COVESTRO DEUTSCHLAND AG(PC RESINS)	FR6005	Min. V-0, Min. thickness: 1.5mm, 100°C	
				6485		
			IDEMITUS KOSAN CO LTD	AZ2201	Min. V-0, Min. thickness: 1.5mm, 100°C	
			SABIC JAPAN L L C	N1250	PPE+PS, V-0, 105°C, Min. thickness: 1.5mm	
			Covestro Deutschland AG.	FR6005	PC, V-0, 105°C, Min. thickness: 1.5mm	
			Asahi Kasei	540Z	PPE+PS, V-0, 105°C, Min. thickness: 1.5mm	
			LG Chemical	EF-1006F(m)	PC, V-0, 115°C, min. thickness: 1.5mm	
			SABIC Japan L L C	925(GG)	PC, V-0, 115°C, minimum 1.5 mm thickness.	
				945(GG)		
			Shenzhen Wuzhu Tech Co Ltd	WZ-4	V-0, 130°C	
			WALEX ELECTRONIC (WUXI) CO LTD	T2	Min. 1,6 mm thickness, min. V-0, 130°C	
				T2A		
				T2B		
				T4		
			DONGGUAN HE TONG ELECTRONICS CO LTD	CEM1	V-0, 130°C	
				2V0		
				FR4		
			Huizhou Shunjia Electronics Co Ltd	SJ-B	V-0, 130°C	
			Cheerful Electronics (HK)Ltd	02	V-0, 130°C	
				03		
				03A		
			Dongguan Daysun Electronic Co Ltd	DS2	V-0, 130°C	
			Suzhou City Yilihua Electronics Co Ltd	YLH-1	V-0, 130°C	
			SHANGHAI AREX PRECISION ELECTRONIC CO LTD	02V0	V-0, 130°C	
				04V0		
				03V0		
			BRITE PLUS ELECTRONICS (SUZHOU) CO LTD	DKV0-3A	V-0, 130°C	
				DGV0-3A		

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, 5, 6, 7, 8	3	PCB	KUOTIANG ENT LTD	C-2	V-0, 130°C	cURus
				C-2A		
			SHENZHEN TONGCHUANXIN ELECTRONICS CO LTD	TCX	Min. 1,6 mm thickness, min. V-0, 130°C	
			PACIFIC WIN INDUSTRIAL LTD	PW-02	V-0, 130°C	
				PW-03		
			YUANMAN PRINTED CIRCUIT CO LTD	1V0	V-0, 130°C	
			SUZHOU XINKE ELECTRONICS CO LTD	XK-2	V-0, 130°C	
				XK-3		
			KUNSHAN CITY HUA SHENG CIRCUIT BOARD CO LTD	HS-S	V-0, 130°C	
			JIANGSU DIFEIDA ELECTRONICS CO LTD	DFD-1	V-0, 130°C	
			SHANGHAI H-FAST ELECTRONIC CO LTD	211001	V-0, 130°C	
				411001		
			JINSHIJIE	JSJ-1	V-0, 130°C	
				JSJ-3		
			Wing Shing Electronics Co.,Ltd.	YS-1B	V-0, 130°C	
				YS-2A		
				YS-2C		
				YS-3		
			Chian You Co.,Ltd	02V0-1	V-0, 130°C	
				03V0		
12V0						
GROW FAST	A2	V-0, 130°C				
	A3					
	A4					
	A5					
Shye Feng Co.,Ltd	66V0	V-0, 130°C				
	99V0					
	990V0					
Jia He Electronics Co.,Ltd	D1	V-0, 130°C				
	D3					
	B					
	B1					
			LITTELFUSE WICKMANN WERKE	392		
			Conquer Electronics Co Ltd	MST		

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, 7	4	Current fuse	Cooper Bussmann LLC	SS-5	T2A, 250V (F1)	cURus
			Bel Fuse Inc	RST		
			Chi Lick Schurter Limited	SPT		
			Conquer Electronics Co Ltd	PTU		
			Littelfuse Inc	877		
			Walter Electronic Co Ltd	2010		
			Nippon Seisen Cable Ltd	SLT series		
			Walter Electronic Co Ltd	ICP		
			XC Electronics	5TE series		
			XC Electronics	4T series		
			Shenzhen Lanson Electronics Co. Ltd.	SMT		
			SMART ELECTRONICS INC	SPT		
			SUNNY EAST ENTERPRISE CO LTD	TSP SERIES		
			TDK-EPC Corporation, Capacitors Group Circuit Devices Business Group	CD		

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, 7	5	Y-Capacitor (optional)	SUCCESS ELECTRONICS CO LTD	SE	Min.250V, Min.125°C, Max.2200pF, Y1 (CY1, CY2)	cURus
			SUCCESS ELECTRONICS CO LTD	SB		
			Walsin Technology Corp.	AH		
			Haohua Electronic Co.,Ltd	CT 7		
			Xiangtai Electronic (Shenzhen) Co., Ltd.	YO-series		
			JUHONG ELECTRONICS LTD	JB- series		
			Murata Mfg. Co., Ltd.	KX		
			JYA-NAY CO LTD	JN		
			JYH CHUNG ELECTRONICS CO LTD	JD		
			WELSON INDUSTRIAL CO LT D	WD		
			SAMWHA CAPACITOR CO LTD	SD		
			YINAN DON'S ELECTRONIC COMPONENT CO LTD	CT81		
			Jyh Hsu (Jec) Electronics Ltd	JY		
			Easy-gather	DCF		
			South China Electronic Co.,Ltd.	CY		
WINDAY Electronic	CD series					
			CENTRA SCIENCE CORP	CNR-10D431- 561K		
			CENTRA SCIENCE CORP	CNR-14D431- 561K		

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	Varistor (optional) (not shown)	Uppermost Electronic Industries Co Ltd	V10K300	Min. 300Vac, min. 385Vdc, fulfilled 6kV/3kA pulse test. MOV1	cURus
				V10K320		
				V10K350		
				V10K385		
				V14K300		
				V14K320		
				V14K350		
				V14K385		
			Jya-Nay Co Ltd	10D431-561K		
				14D431-4561K		
			Joyin Co Ltd	JVR10N431-561K		
				JVR14N431-561K		
			Panasonic Corporation	10DK431-561U		
				14DK431-561U		
			Thinking Electronic Industrial Co Ltd	TVR10431-561		
				TVR14431-561		
			Guangdong Fenghua Advanced Technology Holding Co Ltd. Xianhua New Sensitive Components Branch	FNR-10K431-561		
				FNR-14K431-561		
			Brightking (Shenzhen)Co Ltd	10D431-561K		
				14D431-561K		
			Littelfuse Inc	V300-V385LA10P		
				V385LA20AP		
				V10E300P-385P		
				V14E300P-385P		
Guangxi New Future Information Industry Co Ltd	10D431-561K					
	14D431-561K					
Walsin Technology Corp	VZ10D456K					
	VZ14D456K					

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, 5, 7, 9	7	Transformer	Success Electronics Co Ltd	SVR10D431K~561K		NR				
				SVR14D431K~561K						
				Shantou Hongzhi Electronics Ltd			10D471K	Min310Vac, Min510Vdc MOV1		
								BestBright Electronics Co.,Ltd.	Min300Vac, Min470Vdc MOV1	
									CeNtRa Science(Holdings) Ltd	Min300Vac, Min470Vdc MOV1
				Huizhou Songlong Xindian Electronic Technology Co.,LTD				Min300Vac, Min470Vdc MOV1		
			XiAn Xiwuer	MYG3-10K300	Min.300Vac, Min.385Vdc MOV1					
				MYG3-14K300						
			3, 5, 7, 9	7	Transformer		GlobTek	90E121506 series	Class B (T1) (5.95-7.49Vdc)	NR
								90E121507 series	Class B (T1) (7.5-11.99Vdc)	
								90E121512 series	Class B (T1) (12-16Vdc)	
								90E121524 series	Class B (T1) (16.01-24Vdc)	
Dee Van Enterprise Co., Ltd.	90E121506 series	Class B (T1) (5.95-7.49Vdc)								
	90E121507 series	Class B (T1) (7.5-11.99Vdc)								
	90E121512 series	Class B (T1) (12-16Vdc)								
	90E121524 series	Class B (T1) (16.01-24Vdc)								
BOAM	90E121506 series	Class B (T1) (5.95-7.49Vdc)								
	90E121507 series	Class B (T1) (7.5-11.99Vdc)								
	90E121512 series	Class B (T1) (12-16Vdc)								

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
				90E121524 series	Class B (T1) (16.01-24Vdc)	
			HAOPUWEI	90E121506 series	Class B (T1) (5.95-7.49Vdc)	
				90E121507 series	Class B (T1) (7.5-11.99Vdc)	
				90E121512 series	Class B (T1) (12-16Vdc)	
				90E121524 series	Class B (T1) (16.01-24Vdc)	
3, 5, 7, 9	7a	Insulation system (not shown)		Globtek	GTX-130-TM	Class B
			Haopuwei	ZT-130		
			BOAM	BOAM-01		
				B01		
			ENG	ENG130-1		
Dee Van	YCI-130					
18	7b	Bobbin	HITACHI CHEMICAL CO LTD	CP-J-8800	Phenolic, V-0, 150 °C, Min. thickness 0.71mm	cURus
			SUMITOMO BAKELITE CO LTD	PM-9820		
				PM-9630		
				PM-9823		
			CHANG CHUN PLASTICS CO LTD	T375J		
				T373J		
				T200HF		
				T375HF		
			TAI-I ELECTRIC WIRE & CABLE CO LTD	UEW		
			HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY	UEW-X		
			SHENZHEN DAYANG INDUSTRY CO LTD	UEW		

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
11, 15, 17	7c	Magnet wire	WA TAI ELECTROTECHNICAL MATERIALS FACTORY LTD	UEW	130°C	cURus
			FENG CHING METAL CORP	UEW		
			Pacific Electric Wire & Cable Co Ltd	DD-NYU		
			Heshan Jiangci Wire & Cable Co Ltd	XUEW-UIx		
			Shen Zhen City Chengwei Industry Co Ltd	2UEW		
			Golden Ocean	UEW		
			Dayang	UEW		
			Chang Cheng Goldstar	UEW		
			Various	Various		
13	7d	Triple-insulated wire	Furukawa Electric Co Ltd.	TEX-E	Class B	cURus
				TEX-BS		
			SUZHOU YUSHENG ELECTRONIC CO LTD	TIW-B		
				TWE-3		
			DAH JIN TECHNOLOGY CO LTD	TLW-B		
			COSMOLINK CO. Ltd.	TIW-M		
			YOUNG CHANG SILICONE CO LTD	STW-B		
			Great Leoflon Industrial Co Ltd	TRW (B) Serie(s)		
			E&B TECHNOLOGY CO LTD	E&B-B-X.XX		
DONGGUAN KOSHEN INSULATOR CO LTD	TIW-B					
Golden Ocean	XYW-B					
			SYMBIO INC	35660		
				35661		
				35660Y		

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
10, 11, 12, 14, 15, 16	7e	Insulating tape	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	1350F-1	Min. 130°C	cURus
				1350T-1		
				1350F-2		
				44		
			JINGJIANG YAHUA PRESSURE SENSITIVE GLUE CO LTD	PZ		
				CT		
				WF		
JINGJIANG JINGYI ADHESIVE PRODUCT CO LTD	JY25-A					
CHANG SHU LIANG YI TAPE INDUSTRY CO LTD	LY-XX					
3, 5, 7, 9	7f	Tubing (not shown)	GREAT HOLDING INDUSTRIAL CO LTD	TFT	Min. 300V, 200°C	cURus
				TFS		
				TFL		
			SHENZHEN WOER HEAT- SHRINKABLE MATERIAL CO LTD	WF	600V, 200°C	
			CHANGYUAN ELECTRONICS (SHENZHEN) CO LTD	CB-TT-T	Min. 300V, 200°C	
				CB-TT-S		
			LINGFREE	PTFE	Min. 300V, 200°C	
			Zeus	TFE-TW-300	Min. 300V, 200°C	
TFE-SW-600						

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 - Refer to illustration No(s) 1-2 in sec.7.0 for details.

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 - For adapter models, all uninsulated live parts in primary circuitry are housed within a non-metallic enclosure constructed with no openings.

5. Grounding - This product is not provided with a means of grounding as it is double insulated for Class II model.

6. Polarized Connection - This product is provided with a polarized power supply connection.

7. Internal Wiring - No primary internal wiring.

8. Markings - The product is marked as follows:

1. Brand name or trademark: refer to sec. 2.0
2. Product name: refer to sec. 2.0
3. Model: refer to sec. 2.0
4. Ratings: refer to sec. 2.0

9. Transformer - Supplier records must be provided that indicate the received shipment of transformers (section 4.0, item 7) was constructed as indicated in Illustrations No(s). 4-7. These records must be available at the factory for inspection on every received shipment.

7.0 Illustrations

Illustration 1 - Spacings

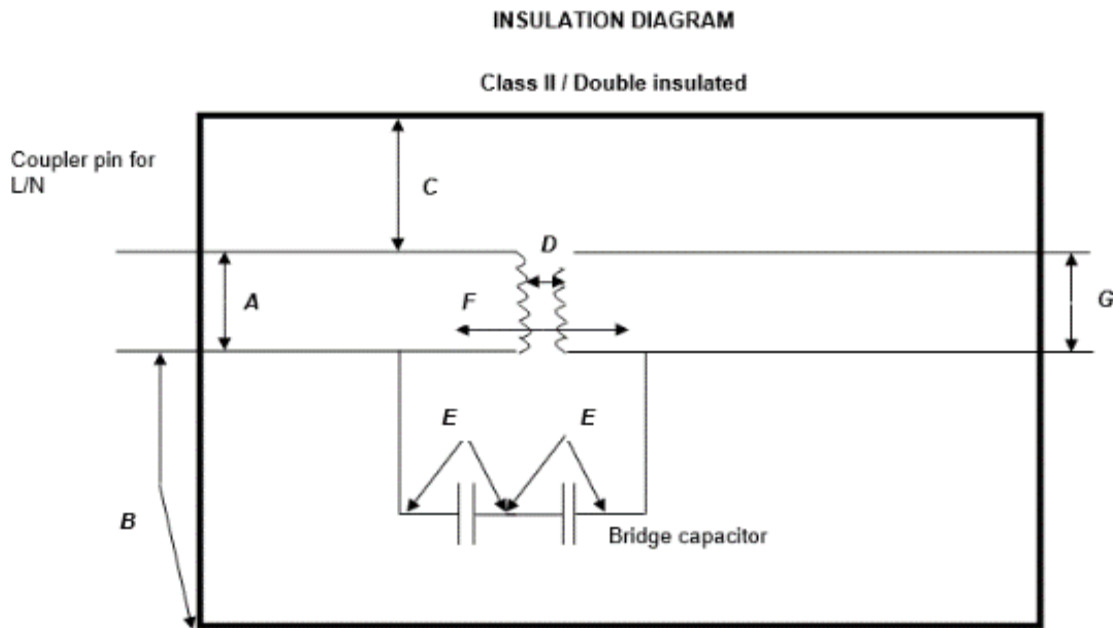


TABLE: INSULATION DIAGRAM									P	
Pollution degree									2	—
Overvoltage category									II	—
Altitude									5000m	—
Additional details on parts considered as applied parts									<input checked="" type="checkbox"/> None <input type="checkbox"/> Areas _____ (See Clause 4.6 for details)	—
Area	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_{MOP}	V_{OPP}						
A	1MOOP	IIIb	240	340	2.96	2.96	3.12	3.12	Opposite polarity of mains part	
B	2MOPP	IIIb	240	--	7.84	6.45	8.81	8.81	Mains part (plug pin) to outer enclosure (accessible position during normal use)	
C	2MOPP	IIIb	240	340	7.84	6.45	8.81	8.81	Internal mains part to accessible outer enclosure	
D	2MOPP	IIIb	290	--	9.07	9.03	9.20	9.20	Mains part to secondary circuits (Transformer)	
E	1MOPP (Each) x 2	IIIb	130	--	3.04	2.06	5.12	5.12	Mains part to secondary circuits (Y capacitor x 2)	
F	2MOPP	IIIb	240	--	7.68	6.45	9.10	9.10	Mains part to secondary circuits (Along PCB trace)	
G	2MOOP	IIIb	--	Max. 48Vdc	--	--	--	--	Accessible part per 8.4.2 c)	

7.0 Illustrations

Illustration 2 - Spacings (Cont.)

Supplementary Information:

- 1) **Multiplication factor for MOOP: 1.48; Multiplication factor for MOPP: 1.29.**
- 2) **Linear interpolation is applied to the determination of required creepage.**
- 3) **The working voltage is highest measured value which acquired by testing all the models listed in the report at the rated input voltage, but not less than the rated input voltage.**
- 4) **The minimum creepage and clearance is selected from all the types of optocouplers.**
- 5) **The transformer core regarded as primary conductor is wrapped with 2 layers of insulating tape and the secondary pin-out adopts the jump lead wire soldering.**
- 6) **There is a slot min. 1 mm wide between two sides of pads of components.**
- 7) **A CREEPAGE DISTANCE cannot be less than the required air clearance.**



7.0 Illustrations

Illustration 3 - Model list

Model	Output Voltage	Max. output current	Max. output power
GT*86101-*05.95-W2*** GT*86101-*5.95-W2***	5.95Vdc	2.0A	12W
GT*86101-*07.5*-W2*** GT*86101-*7.5*-W2***	5.96-7.5Vdc	2.0A	12W
GT*86101-*09*-W2*** GT*86101-*9.0*-W2***	7.51V-9Vdc	1.59A	12W
GT*86101-*12*-W2*** GT*86101-*12.0*-W2***	9.01-12Vdc	1.33A	12W
GT*86101-*15*-W2*** GT*86101-*15.0*-W2***	12.01-15Vdc	0.99A	12W
GT*86101-*24*-W2*** GT*86101-*24.0*-W2***	15.01-24Vdc	0.79A	12W

8.0 Test Summary			
Evaluation Period	23-Apr-2020 to 8-Jun-2020		Project No. 200402484SHA
Sample Rec. Date	23-Apr-2020	Condition Prototype	Sample ID. 0200423-34
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:			
	AAMI ES60601-1:2005 +A1 CSA C22.2#60601-1:2014 Ed.3		
Test Description	Clause		
Power Input	4.11		
Humidity Preconditioning	5.7		
Legibility of Markings	7.1.2		
Durability of Markings	7.1.3		
Plug Discharge Test	8.4.3		
Working Voltage Measurement	8.5.4		
Leakage Current Test	8.7.4		
Dielectric Strength Test	8.8.3		
Ball Pressure Test	8.8.4.1		
Creepage & Clearance Measurements	8.9.4		
Excessive Temperature	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		

	IEC 60601-1-11:2015 Ed.2 CSA C22.2#60601-1-11:2015 Ed.2		
Test Description	Clause		
Environmental condition test of transport and storage between uses	4.2.2		
Continuous operating conditions	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:	Yann Yan	Reviewed by:	Larry Zhong
Title:	Project engineer	Title:	Project reviewer
Signature:		Signature:	

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					
<table border="1" style="width: 100%;"> <tr> <th style="width: 50%;">MULTIPLE LISTEE 1 MODELS</th> <th style="width: 50%;">BASIC LISTEE MODELS</th> </tr> <tr> <td> </td> <td> </td> </tr> </table>		MULTIPLE LISTEE 1 MODELS	BASIC LISTEE MODELS		
MULTIPLE LISTEE 1 MODELS	BASIC LISTEE MODELS				

MULTIPLE LISTEE 2	None				
Address					
Country					
Brand Name					
ASSOCIATED MANUFACTURER					
Address					
Country					
<table border="1" style="width: 100%;"> <tr> <th style="width: 50%;">MULTIPLE LISTEE 2 MODELS</th> <th style="width: 50%;">BASIC LISTEE MODELS</th> </tr> <tr> <td> </td> <td> </td> </tr> </table>		MULTIPLE LISTEE 2 MODELS	BASIC LISTEE MODELS		
MULTIPLE LISTEE 2 MODELS	BASIC LISTEE MODELS				

MULTIPLE LISTEE 3	None				
Address					
Country					
Brand Name					
ASSOCIATED MANUFACTURER					
Address					
Country					
<table border="1" style="width: 100%;"> <tr> <th style="width: 50%;">MULTIPLE LISTEE 3 MODELS</th> <th style="width: 50%;">BASIC LISTEE MODELS</th> </tr> <tr> <td> </td> <td> </td> </tr> </table>		MULTIPLE LISTEE 3 MODELS	BASIC LISTEE MODELS		
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

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.

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.

Note to Intertek Follow Up Inspector: The Component Evaluation Center, CEC, will notify you in writing when these components must be selected and sent to the CEC for re-evaluation

Ship the samples to:
Intertek Testing Services Shanghai Limited
ETL Component Evaluation Center
Building No. 86, 1198 Qinzhou Road (North)
Shanghai 200233, China
Attn: Ms. Angela Han

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:

<u>Product</u>	<u>Test Voltage</u>	<u>Test Time</u>
All the product covered by this report Between mains part and secondary circuits.	4000Vac	1s
Product - One sample from each shipment of Section 4.0 item 7:	Test Voltage	Test Time
Between primary circuit and secondary output	4000Vac	1min
Between secondary circuit and core	4000Vac	1min

