


1.0 Reference and Address			
Report Number	130801751SHA-002	Original Issued:	24-Oct-2013
		Revised:	29-Apr-2019
Standard(s)	Information Technology Equipment Safety Part 1: General Requirements >Valid without technical revision: 20Dec2020< [UL 60950-1:2007 Ed.2 +R:14Oct2014]  Information Technology Equipment Safety Part 1: General Requirements (R2016) >Valid without technical revision: 20Dec2020< [CSA C22.2#60950-1:2007 Ed.2 +A1;A2]		
Applicant	GlobTek, Inc.	Manufacturer	GlobTek (Suzhou) Co., Ltd.
Address	186 Veterans Dr. Northvale, NJ 07647	Address	Building 4. No 76 JinLing East Road, Suzhou Industrial Park, Suzhou, JiangSu, 215021
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2.0 Product Description	
Product	ITE Power Supply
Brand name	
Description	Product covered by this report is power adapter, which can be used with detachable power supply cord and is designed for continuous operation. Different appliance inlets can be interchangeable on the device, which can provide earthing terminal or not. Protective earthing connection to secondary circuit by internal wiring is optional, so it can be Class I or Class II construction. Both two constructions were in consideration in this report. The power supplies which have an output current rating of 7.08A or less are all rated for Limited Power Source (LPS) application. Two pieces of outer enclosure are enclosed with ultrasonic welding with screw. The product is not intended to use in the environment which altitude exceed 5000m.
Models	GT followed by M, - or H; followed by 41133-; followed by 01 to 90; followed by 16, 24, 35 or 48; may be followed by -0.1 to -12.9; followed by -T2 or -T3A; may be followed by six characters. GT followed by M, - or H; followed by 96900P or 961200P; may be followed by -; followed by 01 to 120; followed by 12 to 54; may be followed by .0 to .9; followed by -T2, -T2A, -T3, -T3A, -T2TAB, -T2ATAB, -T3TAB, -T3ATAB or -TP; may be followed by six characters.
Model Similarity	GT*41133-***** 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 “90”, with interval of 1. The 3rd “*” denotes the standard rated output voltage designation, which can be “16”, “24”, “35” and “48”. The 4th “*” part is optional, which can be “-0.1” to “-12.9” with interval of 0.1 to denote voltage deviation or blank to indicate no voltage different. The 3rd “*” and 4th “*” together denote the output voltage, with a range of 12 - 48 volts The 5th “*” =-T2 means desktop class II with C8 AC inlet =-T3A means desktop class I with C6 AC inlet The last * denote any six character = 0-9 or A-Z or ()[] or – or blank for marketing purposes. GT*961200P**** and GT*96900P****, 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 “120”, with interval of 1. The 3rd “*” denote the standard rated output voltage designation, which can be “12” to “54” or “12.0” to “54.0” in 0.1V increments. The 4th “*” =-T2 means desktop class II with C8 AC inlet =-T2A means desktop class II with C18 AC inlet =-T3 means desktop class I with C14 AC inlet =-T3TAB means desktop class I with C14 AC inlet and housing with a tab. =-T3A means desktop class I with C6 AC inlet. =-T3ATAB means desktop class I with C6 AC inlet and housing with a tab. =-T2TAB means desktop class I with C8 or C8 AC inlet and housing with a tab. =-T2ATAB means desktop class I with C8 or C18 AC inlet and housing with a tab. =-TP means desktop with power cord and US plug. The last * denote any six character = 0-9 or A-Z or ()[] or – or blank for marketing purposes
Ratings	Input: 100-240V~, 50-60Hz, 1.5A; See section 7.0, Illustration 1 for details
Other Ratings	N/A

### 3.0 Product Photographs

Photo 1 - GT\*41133 series External view of EUT without plug portion attached

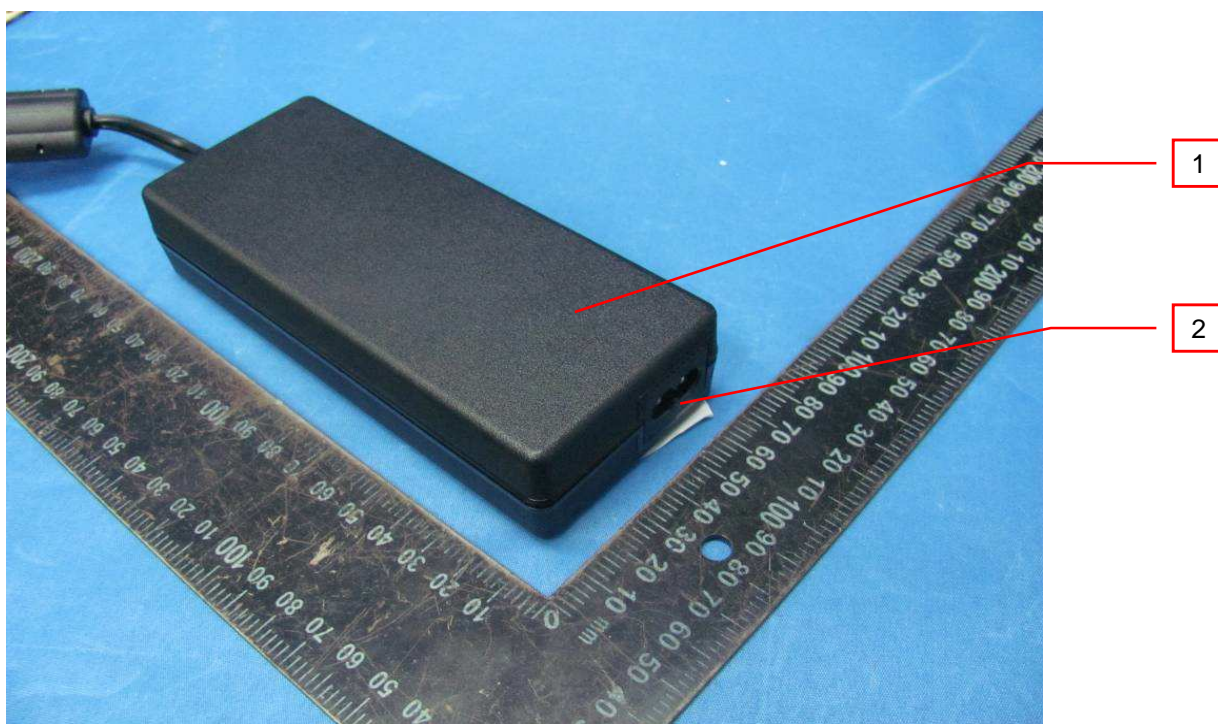
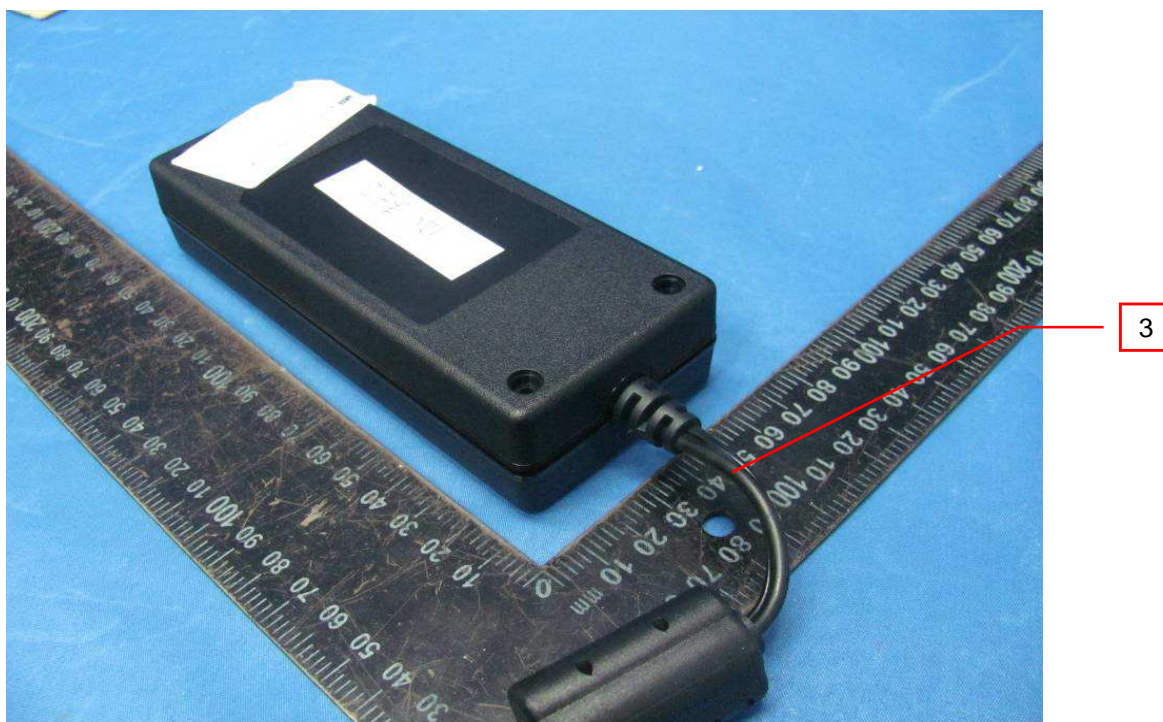


Photo 2 - GT\*41133 series External view of EUT





### 3.0 Product Photographs

Photo 3 - GT\*41133 series Component side view of PCB for Class I adapter model (Top heatsink removed)

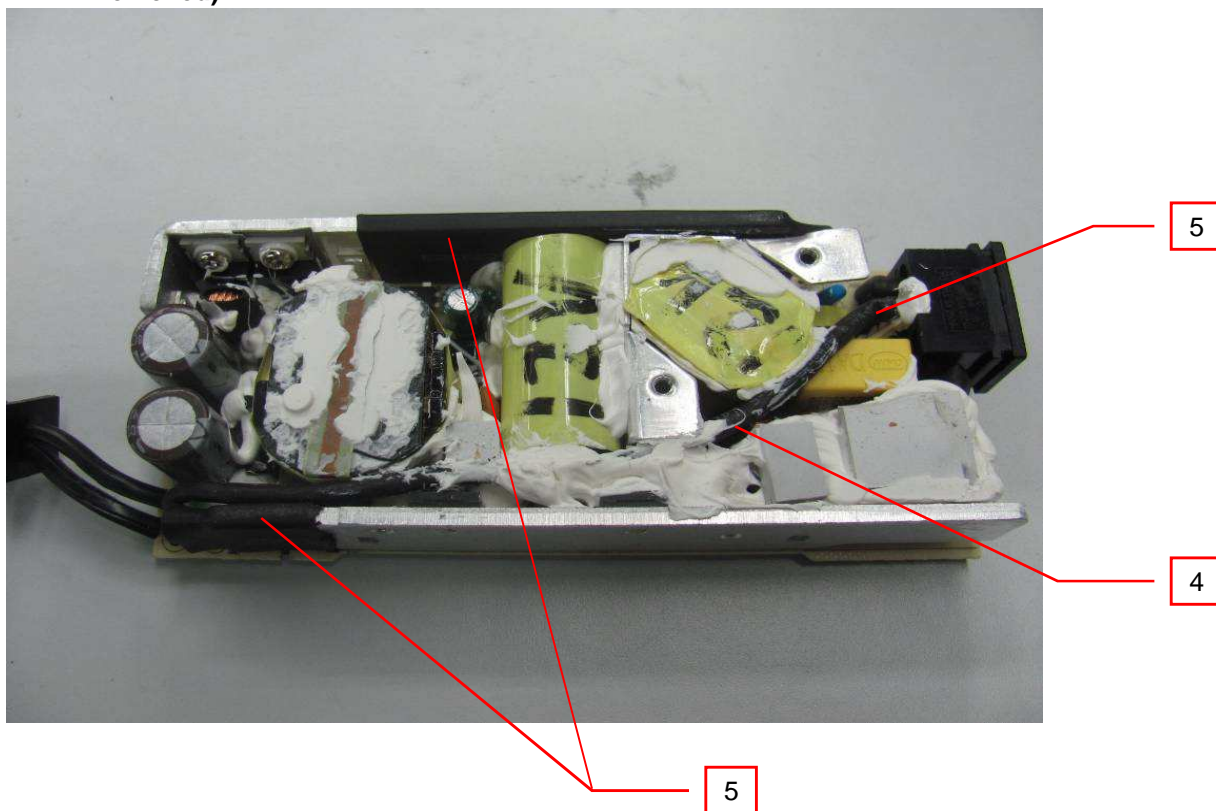
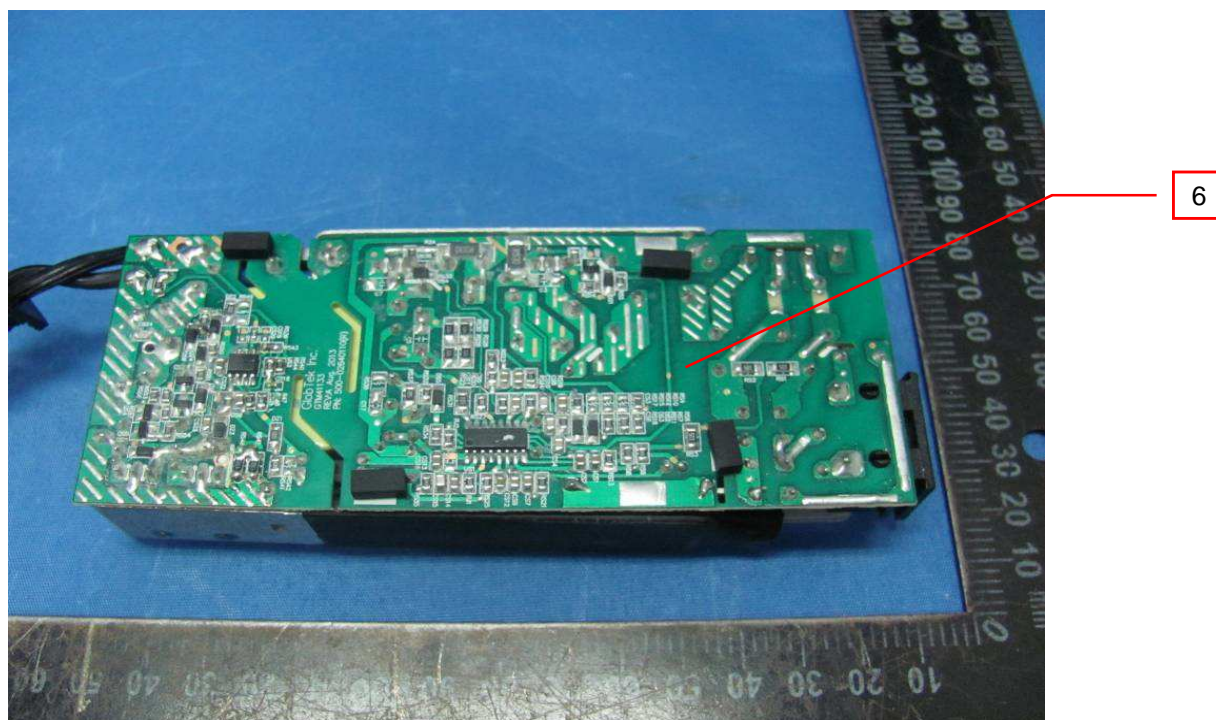
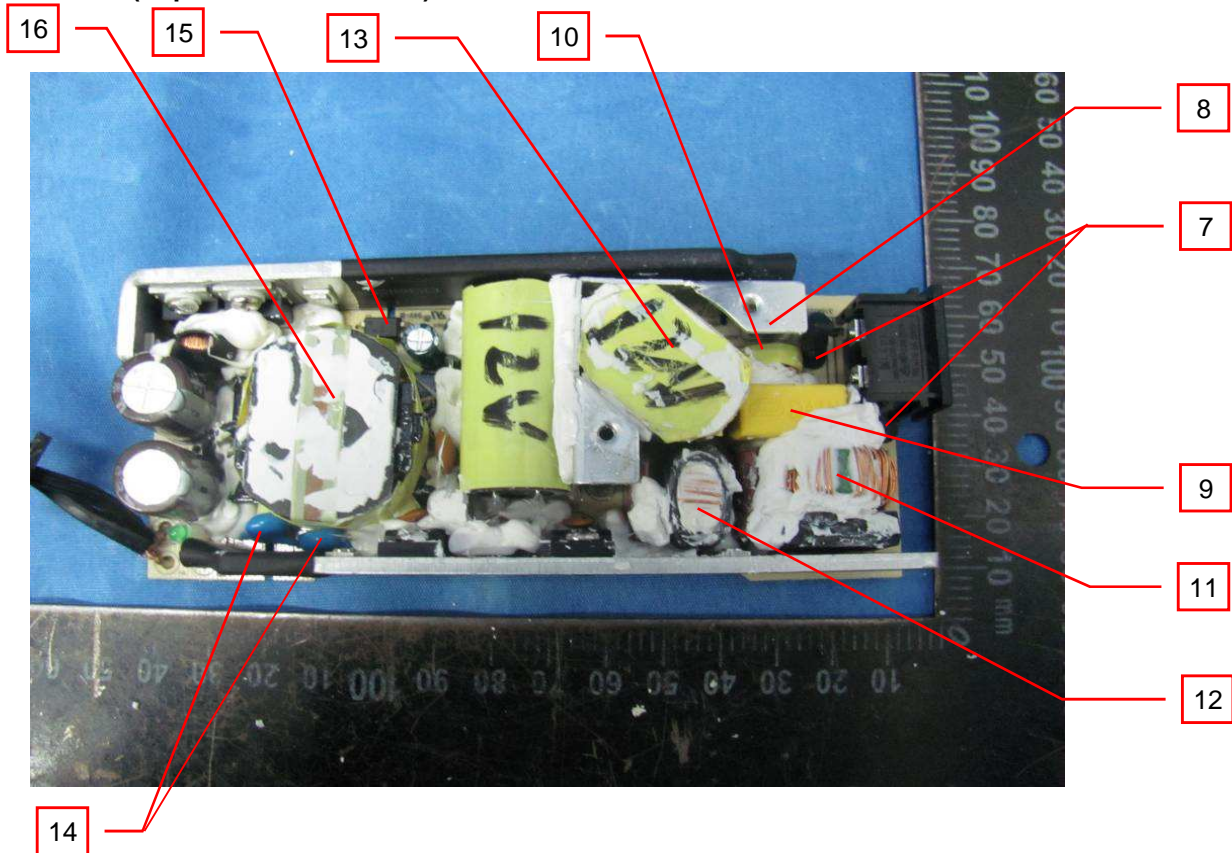


Photo 4 - GT\*41133 series Soldering side view of PCB for power adapter model

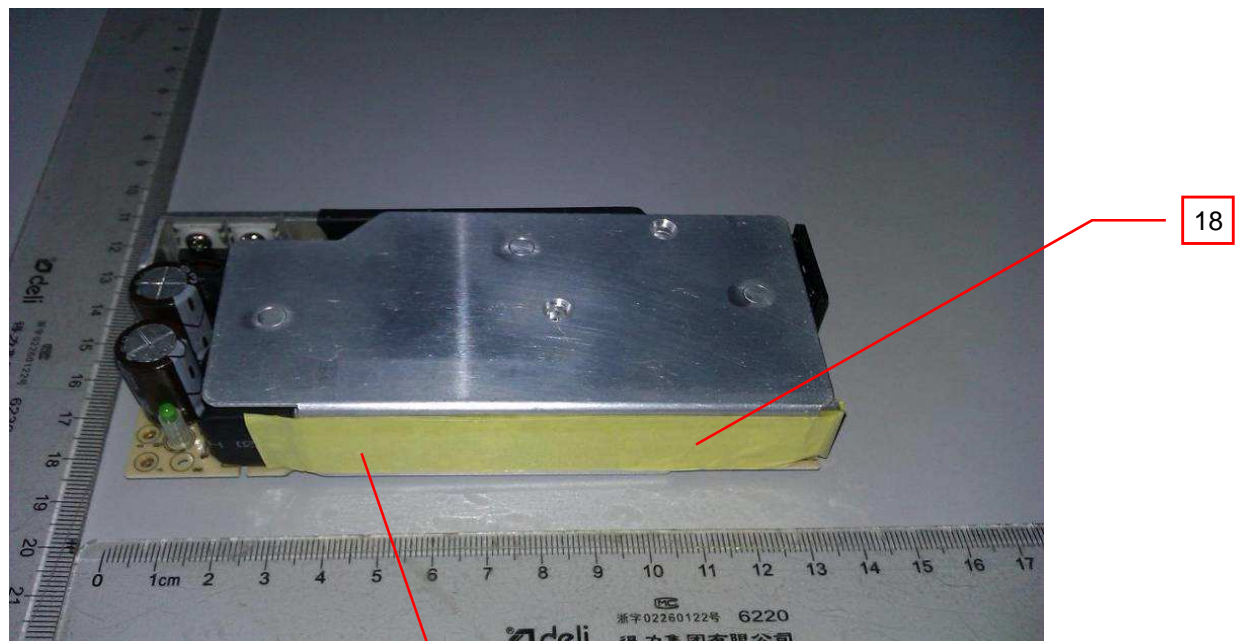


### 3.0 Product Photographs

**Photo 5 - GT\*41133 series Component side view of PCB for Class II adapter model  
(Top heatsink removed)**



**Photo 6: GT\*41133 series Internal view of EUT for power adapter model with top heatsink**



This part is optional: insulating tape or mylar insulating sheet is alternatively used if the model is intended to be sold to up-to-5000m altitude market.



### 3.0 Product Photographs

Photo 7 - GT\*41133 series View of insulation protection on heatsink (2 layers of insulating tape or 2 layers of heat-shrinkable tube)

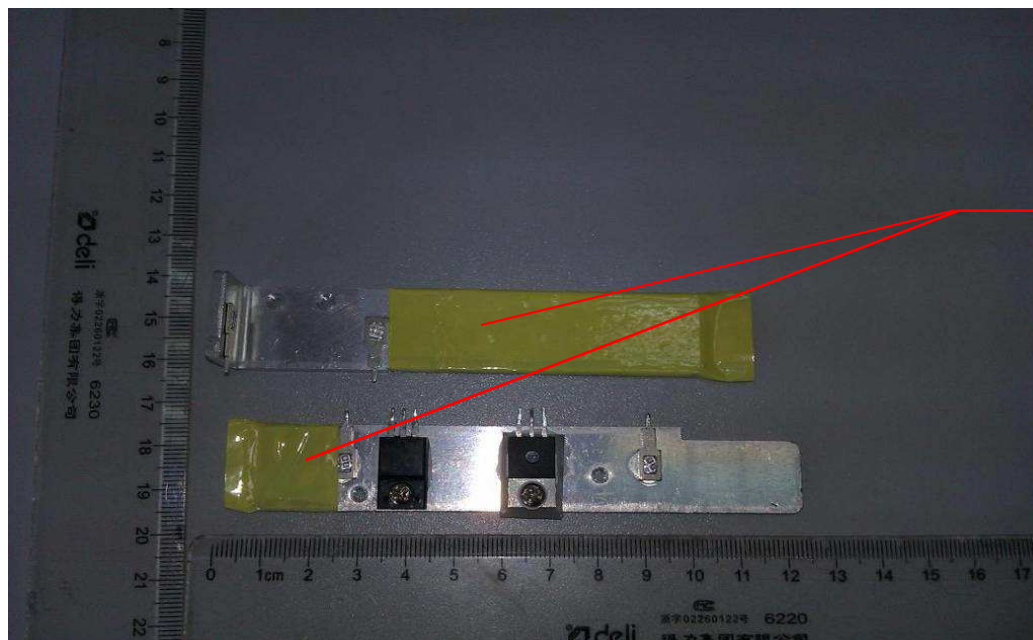


Photo 8 - GT\*41133 series External view of mains transformer



### 3.0 Product Photographs

Photo 9 - GT\*41133 series Pin-out view of mains transformer

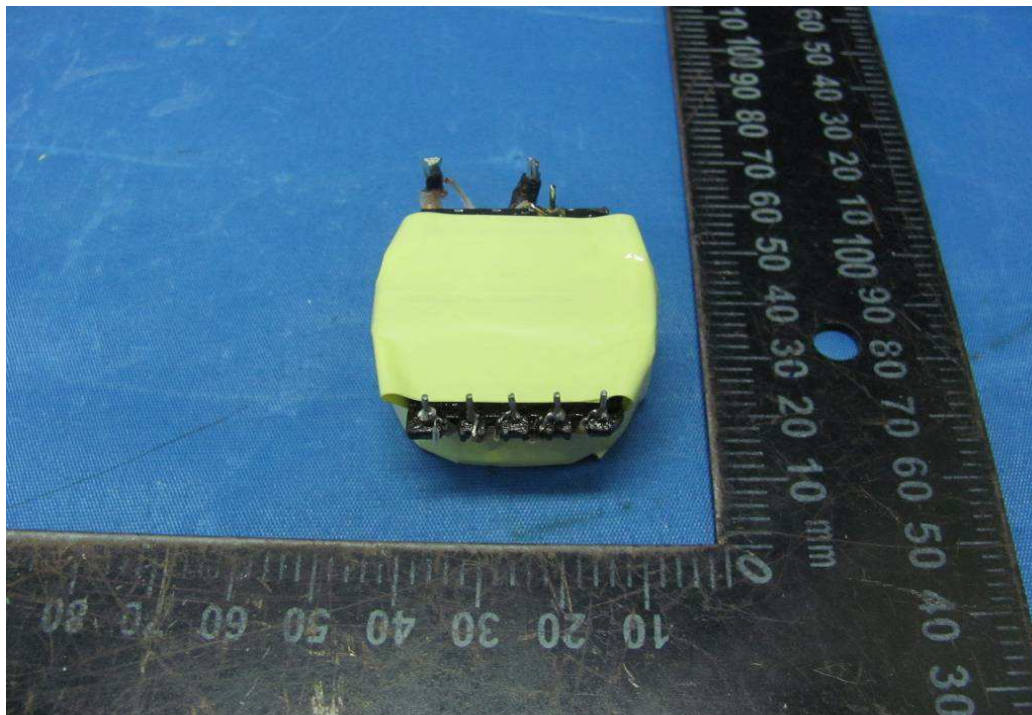
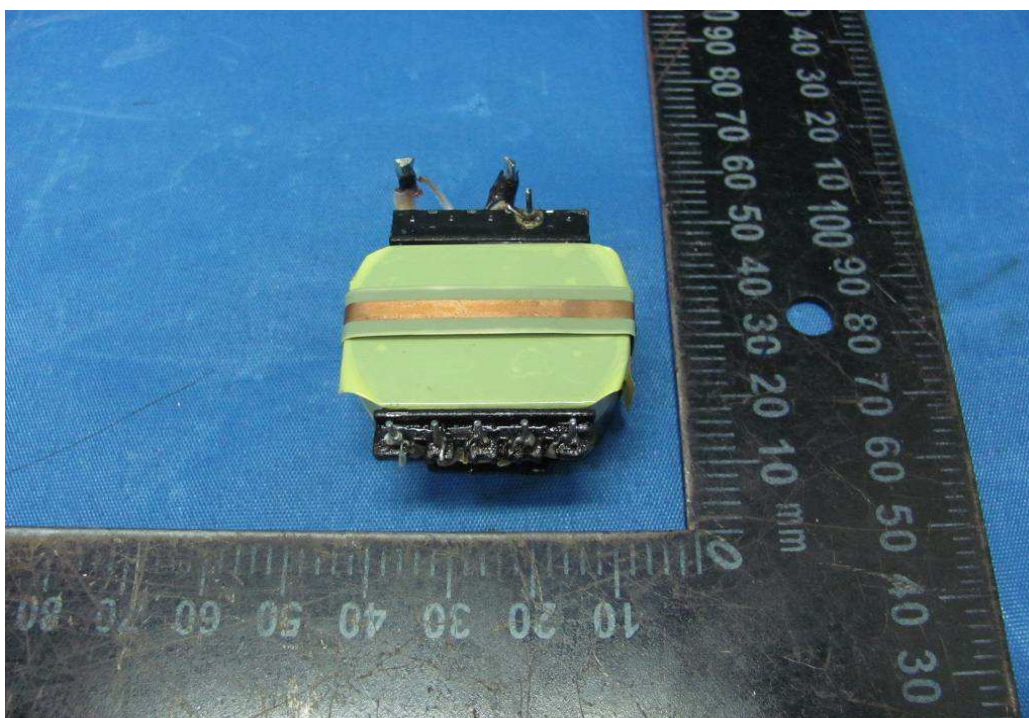


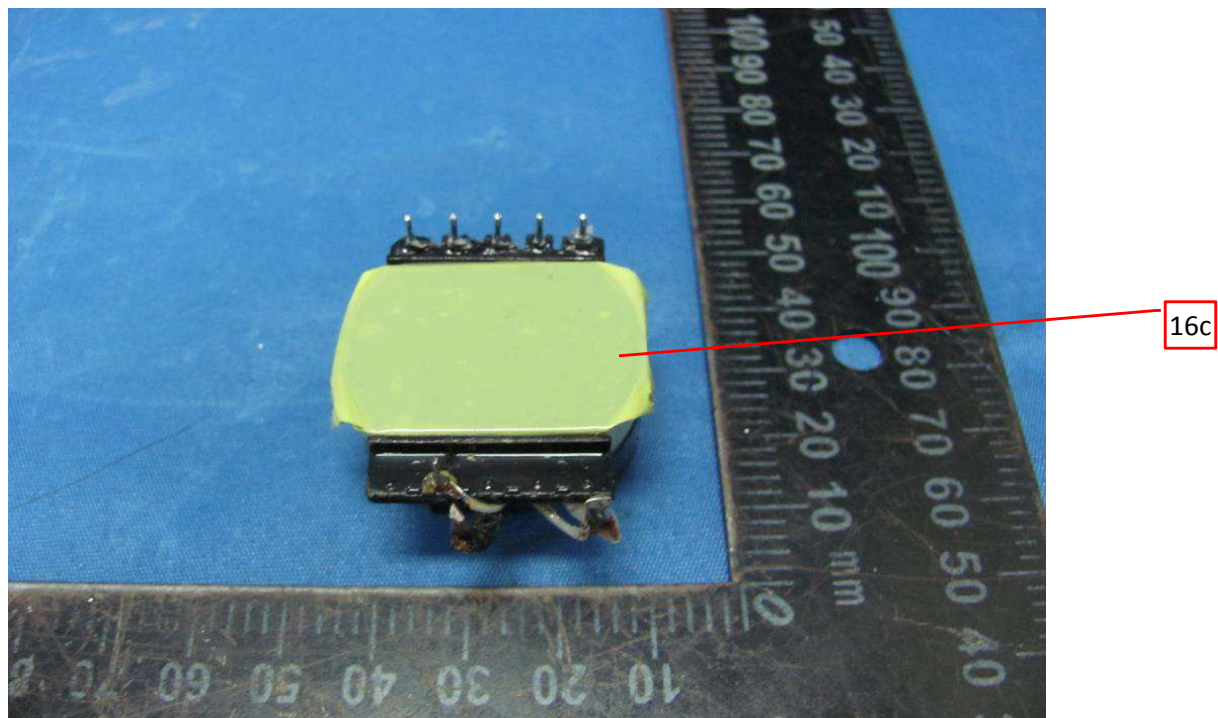
Photo 10 - GT\*41133 series External view of mains transformer (shield copper foil)





### 3.0 Product Photographs

**Photo 11 - GT\*41133 series Bottom view of mains transformer (The ferrite core is wrapped around 2 layers of insulating tape.)**



**Photo 12 - GT\*41133 series Primary winding view of mains transformer**





### 3.0 Product Photographs

Photo 13 - GT\*41133 series Secondary winding view of mains transformer (TIW)

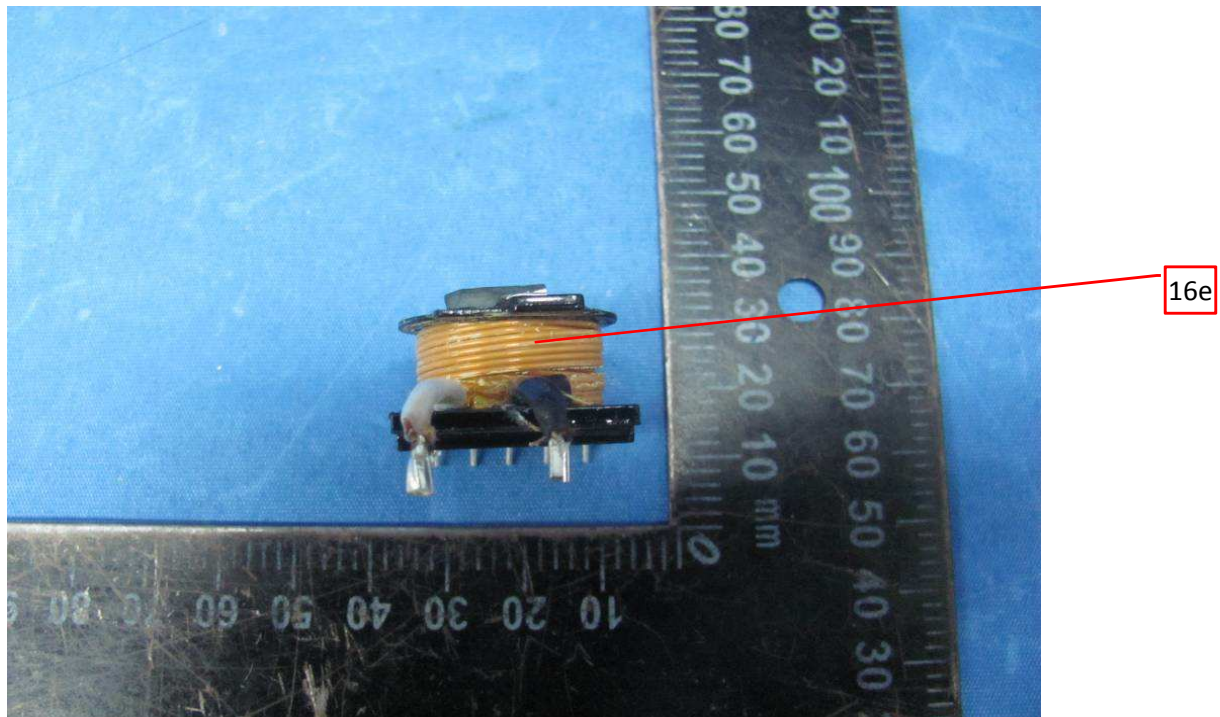


Photo 14 - GT\*96900P series, GT\*961200P series External view



### 3.0 Product Photographs

Photo 15 - GT\*96900P series, GT\*961200P series External view



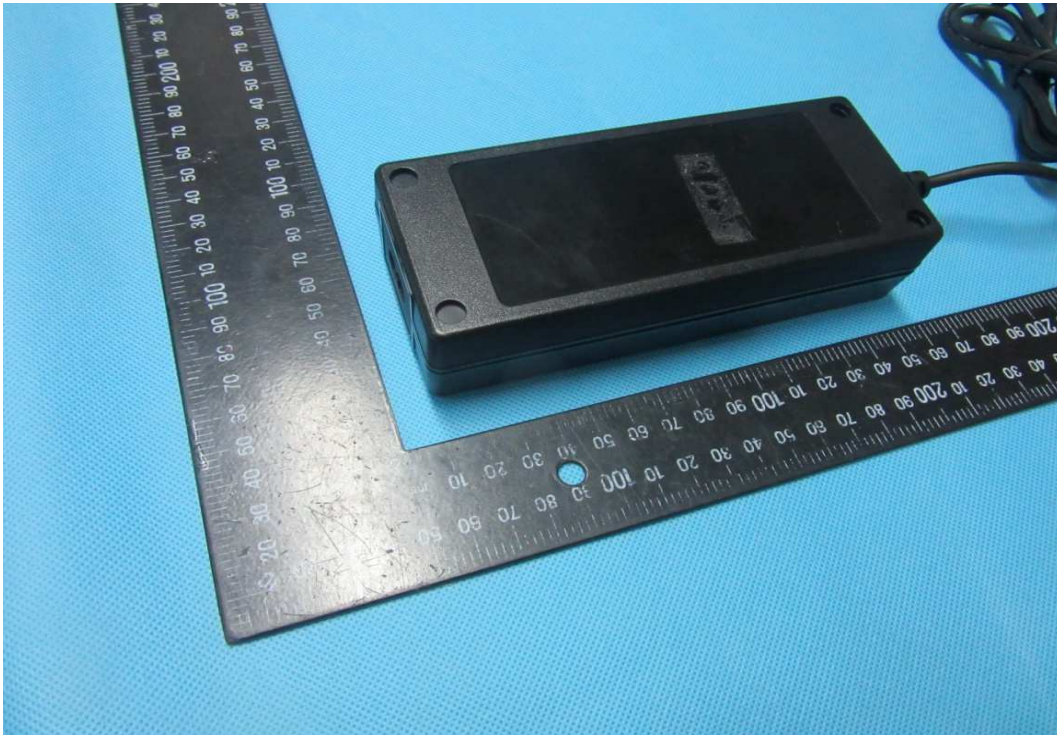
Photo 16 - GT\*96900P series, GT\*961200P series External view





### 3.0 Product Photographs

**Photo 17 - GT\*96900P series, GT\*961200P series External view**



**Photo 18 - GT\*96900 series, GT\*961200 series Internal view (Class II)**

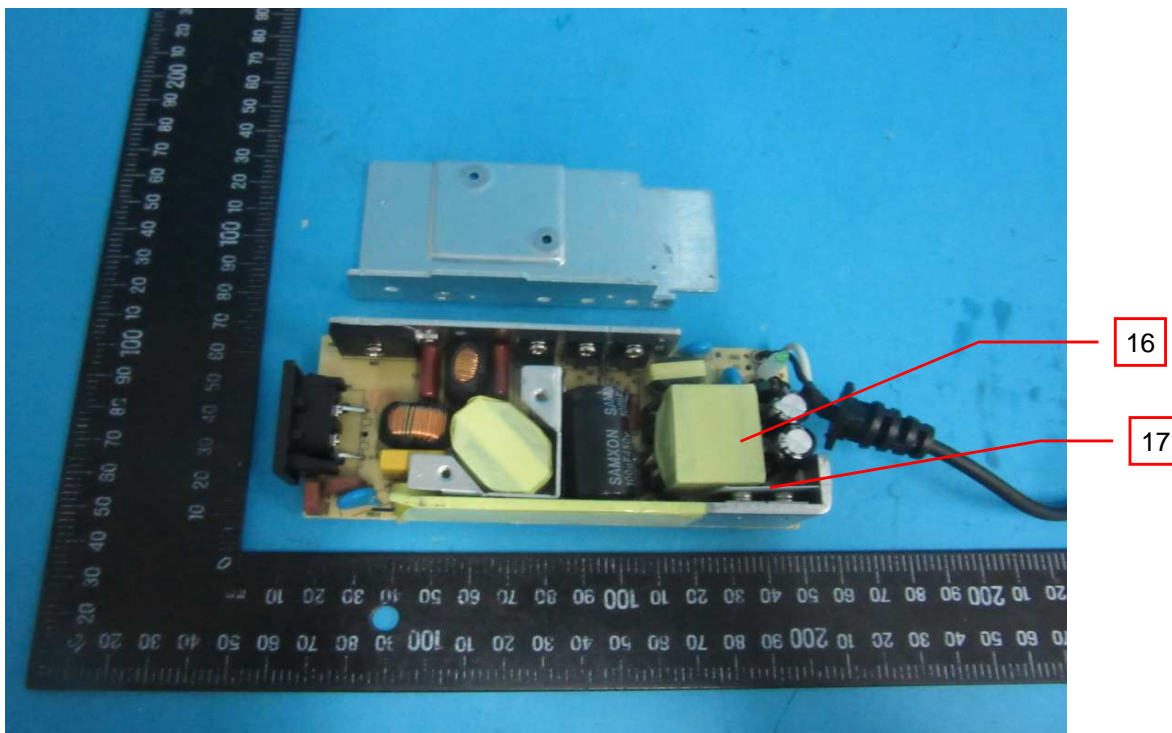


### 3.0 Product Photographs

Photo 19 - GT\*96900 series, GT\*961200 series Internal view (Class II)



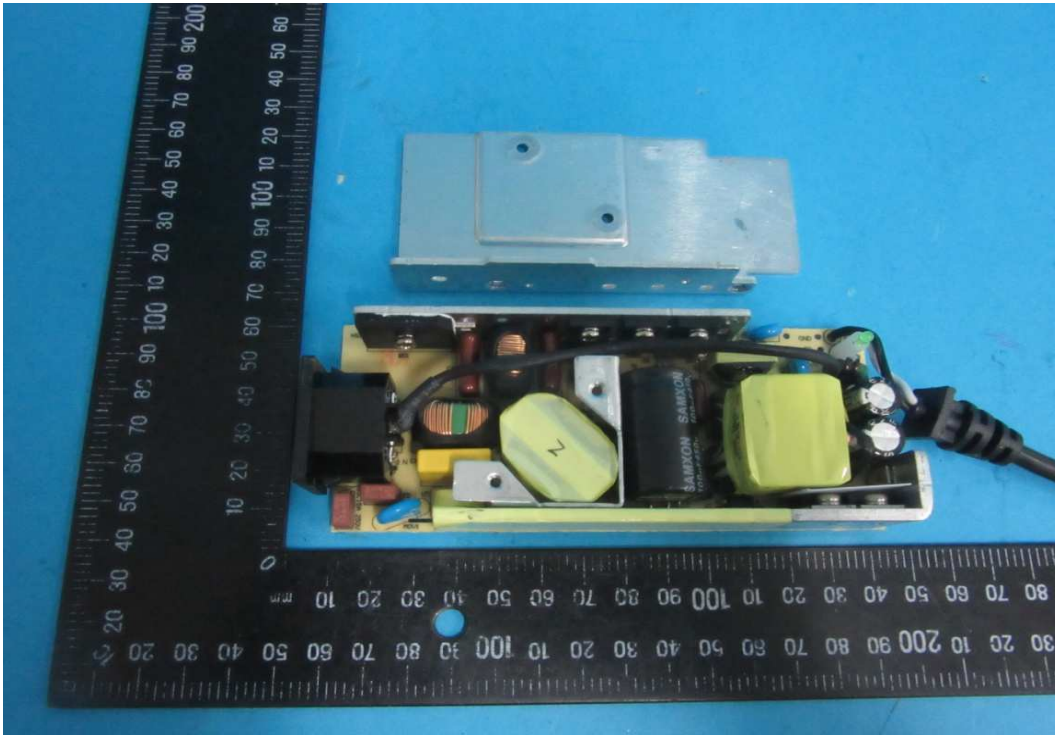
Photo 20 - GT\*96900 series, GT\*961200 series Internal view (Class II)



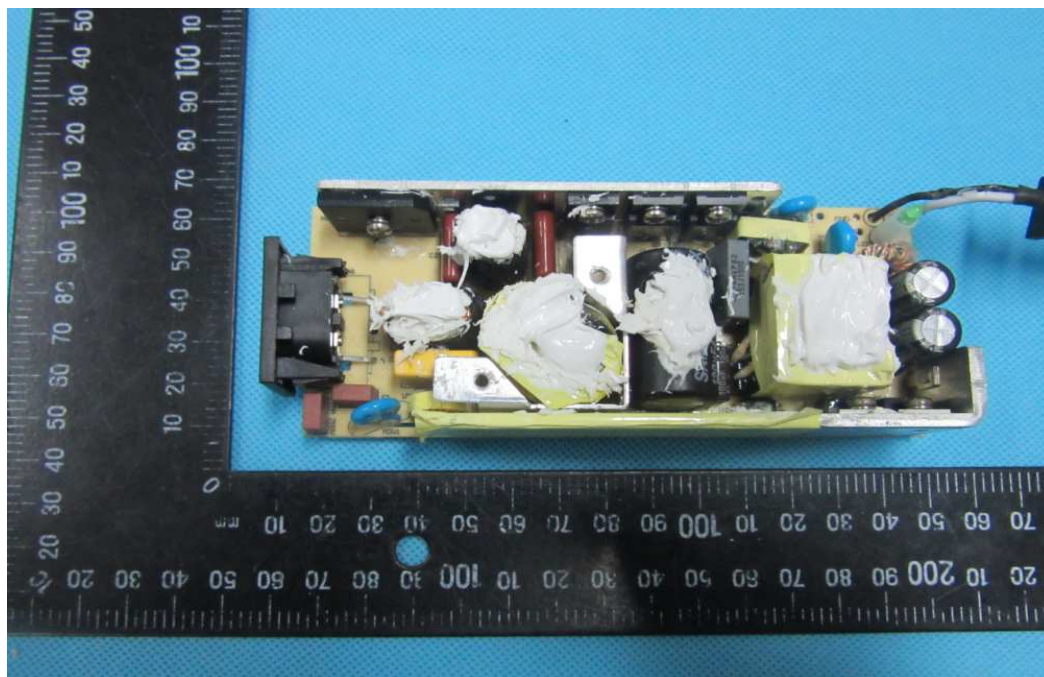


### 3.0 Product Photographs

**Photo 21 - GT\*96900 series, GT\*961200 series Internal view (Class I)**



**Photo 22 - GT\*96900 series, GT\*961200 series Internal view (Class II)**



### 3.0 Product Photographs

Photo 23 - GT\*96900 series, GT\*961200 series PCB

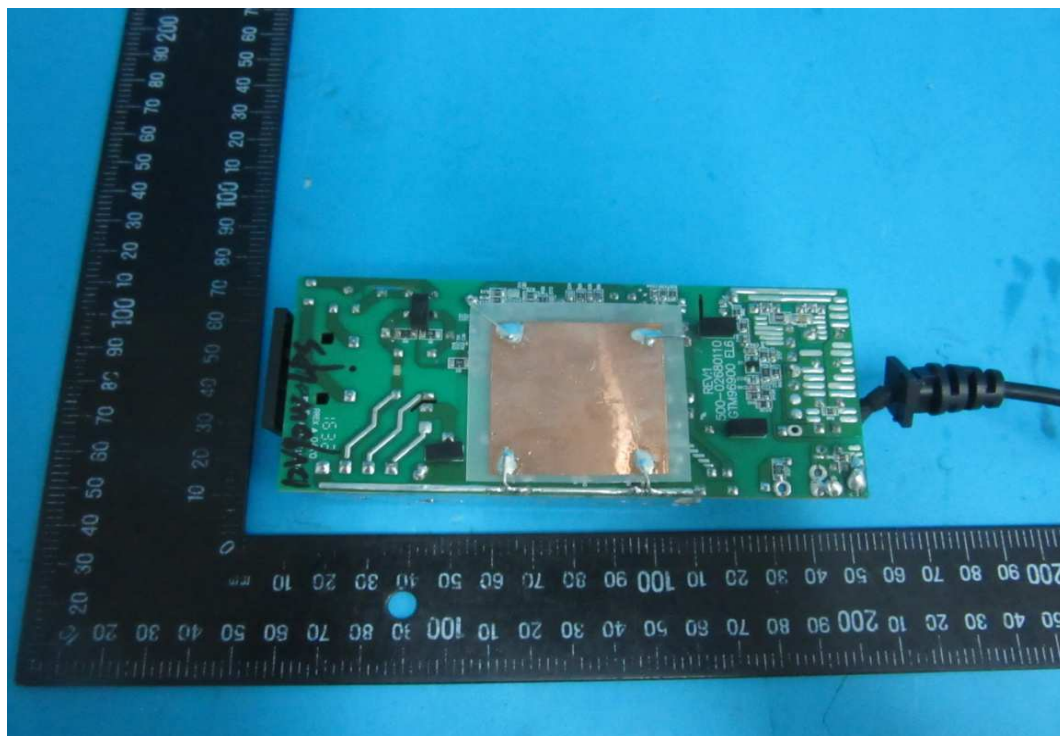
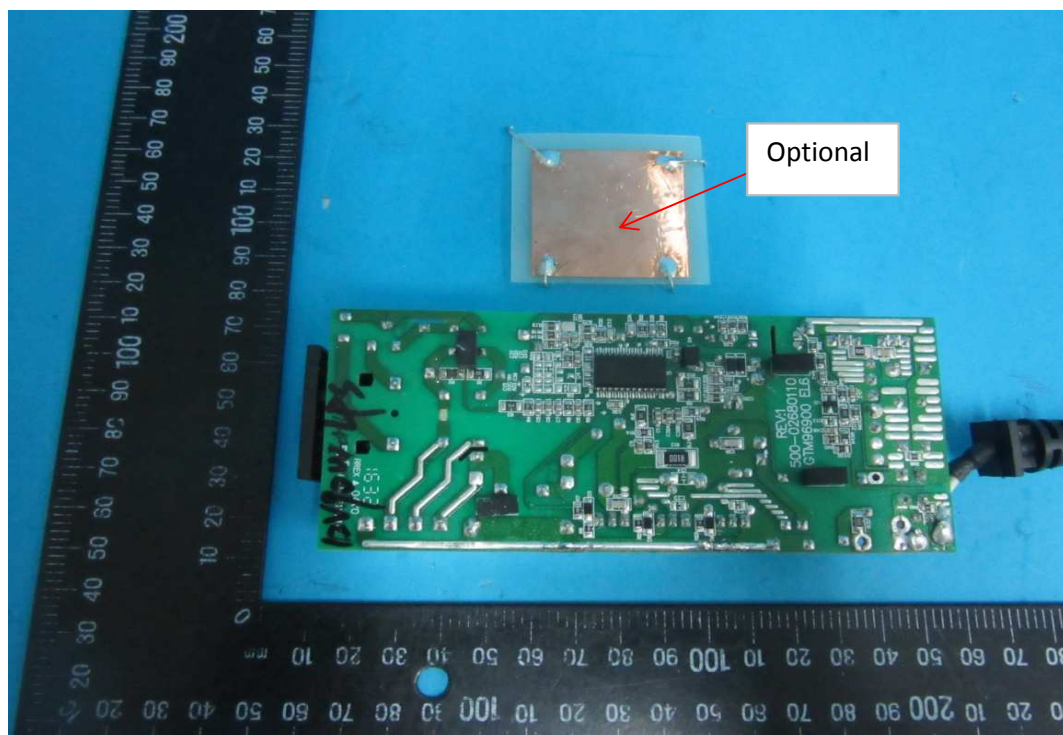


Photo 24 - GT\*96900 series, GT\*961200 series PCB



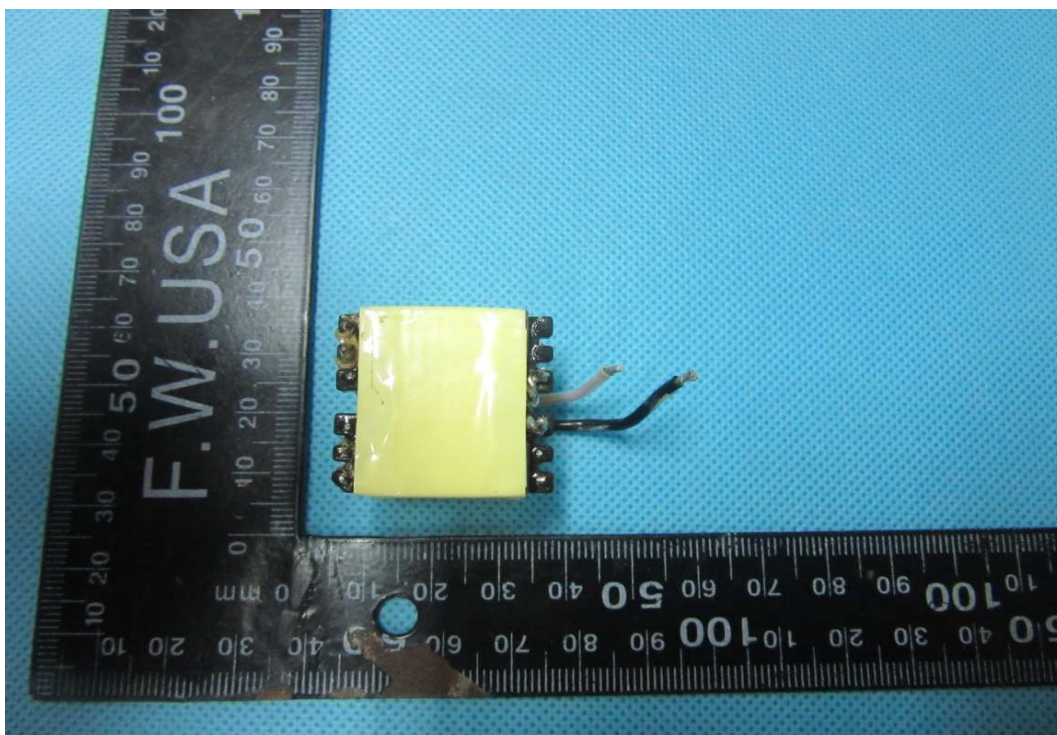


### 3.0 Product Photographs

Photo 25 - GT\*96900 series, GT\*961200 series Transformer



Photo 26 - GT\*96900 series, GT\*961200 series Transformer



### 3.0 Product Photographs

Photos 27 - External view with US plug and supply cord.





4.0 Critical Components						
Photo #	Item no. <sup>1</sup>	Name	Manufacturer/ trademark <sup>2</sup>	Type / model <sup>2</sup>	Technical data and securement means	Mark(s) of conformity <sup>3</sup>
1	1	Plastic enclosure	Sabic Innovative Plastics B V	SE1X	Min. V-1 at 1.5 mm thickness, 105°C	cURus
				SE1		cURus
				C2950	Min. V-0 at 1.5 mm thickness, 75°C, (For: GT*41133 series)	cURus
				CX7211	Min. V-0 at 1.5 mm thickness, 90°C, (For: GT*96900 series and GT*41133 series)	cURus
				EXCY0098		cURus
				SE100	Min. V-0 at 1.5 mm thickness, 95°C	cURus
				945	Min. V-0 at 1.5 mm thickness, 120°C	cURus
				HF500R	Min. V-0 at 1.5 mm thickness, 125°C	cURus
			TEIJIN CHEMICALS LTD	LN-1250P	Min. V-0 at 1.5 mm thickness, 115°C	cURus
				LN-1250G		cURus
			CHI MEI Corporation	PA-765A	Min. V-1 at 1.5 mm thickness, 80°C, (For: GT*41133 series)	cURus
				PC-540	Min. V-0 at 1.5 mm thickness, 70°C, (For: GT*41133 series)	cURus

4.0 Critical Components						
Photo #	Item no. <sup>1</sup>	Name	Manufacturer/ trademark <sup>2</sup>	Type / model <sup>2</sup>	Technical data and securement means	Mark(s) of conformity <sup>3</sup>
1	2	AC inlet	Zhejiang LECI Electronics Co., Ltd.	DB-6	2.5A, 250Vac Standard sheet: C6	cURus
			Rich Bay Co., Ltd.	R-30790		cURus
				R-307		cURus
			Sun Fair Electric Wire & Cable (HK)Co. Ltd.	S-02		cURus
			TECX-UNIONS Technology Corporation	TU-333 series		cURus
			Rong Feng Industrial Co., Ltd.	RF-190		cURus
			Inalways Corporation	0724		cURus
			Kunshan Dlk Electronics Technology Co., Ltd	CDJ-2		cURus
			Shenzhen Delikang Electronics Technology Co Ltd	CDJ-2		cURus
			Zhe Jiang Bei Er Jia Electronic Co Ltd	ST-A04-002		cURus
			Zhejiang LECI Electronics Co., Ltd.	DB-8	2.5A, 250Vac Standard sheet: C8	cURus
			Rich Bay Co., Ltd.	R-201SN90		cURus
			Sun Fair Electric Wire & Cable (HK)Co. Ltd.	S-01		cURus
			TECX-UNIONS Technology Corporation	SO-222 series		cURus
			Rong Feng Industrial Co., Ltd.	RF-180		cURus
			Inalways Corporation	0721 series		cURus
			Kunshan Dlk Electronics Technology Co., Ltd	CDJ-8		cURus
			ZHE JIANG BEI ER JIA ELECTRONIC CO LTD	ST-A03-005		cURus
			Zhejiang LECI Electronics Co., Ltd.	DB-14		cURus



4.0 Critical Components						
Photo #	Item no. <sup>1</sup>	Name	Manufacturer/ trademark <sup>2</sup>	Type / model <sup>2</sup>	Technical data and securement means	Mark(s) of conformity <sup>3</sup>
			Rich Bay Co., Ltd.	R-301SN	10A, 250Vac Standard sheet: C14	cURus
			Sun Fair Electric Wire & Cable (HK)Co. Ltd.	S-03		cURus
			TECX-UNIONS Technology Corporation	TU-301-S		cURus
				TU-301-SP		cURus
			Rong Feng Industrial Co., Ltd.	SS-120		cURus
			Inalways Corporation	0711		cURus
			Zhe Jiang Bei Er Jia Electronic Co Ltd	ST-A01-003J		cURus
2	3	Output cord	Rong Feng Industrial Co.,Ltd	SS-120A	10A, 250Vac Standard sheet: C18	cURus
			KUNSHAN NEW ZHICHENG ELECTRONICS TECHNOLOGIES CO LTD	1185	Min. 20AWG, min. 300Vac, min. 80°C	cURus
				2464		cURus
				2468		cURus
				1015		cURus
			ZHUANG SHAN CHUAN ELECTRICAL PRODUCTS (KUNSHAN) CO LTD	1185	Min. 20AWG, min. 300Vac, min. 80°C	cURus
				2464		cURus
				2468		cURus
				1015		cURus
			ZHUANG SHAN CHUAN ELECTRICAL PRODUCTS (KUNSHAN) CO LTD	SPT-1	Min. 20AWG, min. 300Vac, min. 105°C	cURus
				SPT-2		cURus
			SUZHOU YEMAO ELECTRONIC CO LTD	1185	Min. 20AWG, min. 300Vac, min. 80°C	cURus
				2464		cURus
				2468		cURus
				1015		cURus
			SUZHOU DIOUDE ELECTRONICS CO LTD	SPT-1	Min. 20AWG, min. 300Vac, min. 105°C	cURus
				SPT-2		cURus
			Various	Various	Min. 20AWG, min. 300Vac, min. 80°C, performance parameter shall be equal to 1185, 2464, 2468, SPT-1 or SPT-2.	cURus

4.0 Critical Components						
Photo #	Item no. <sup>1</sup>	Name	Manufacturer/ trademark <sup>2</sup>	Type / model <sup>2</sup>	Technical data and securement means	Mark(s) of conformity <sup>3</sup>
3	4	Earthing wire	KUNSHAN NEW ZHICHENG ELECTRONICS TECHNOLOGIES CO LTD	1015	Min. 18AWG, min. 300Vac, min. 80°C	cURus
				1007		cURus
				1185		cURus
				3271		cURus
				3266		cURus
				1569		cURus
			ZHUANG SHAN CHUAN ELECTRICAL PRODUCTS (KUNSHAN) CO LTD	1015	Min. 18AWG, min. 300Vac, min. 80°C	cURus
				1007		cURus
				1185		cURus
				1569		cURus
			DONGGUAN CHUANTAI WIRE PRODUCTS CO LTD	1015	Min. 18AWG, min. 300Vac, min. 80°C	cURus
				1007		cURus
				1569		cURus
			YONG HAO ELECTRICAL INDUSTRY CO LTD	1015	Min. 18AWG, min. 300Vac, min. 80°C	cURus
				1007		cURus
				1185		cURus
				1569		cURus
			SHENG YU ENTERPRISE CO LTD	1015	Min. 18AWG, min. 300Vac, min. 80°C	cURus
				1007		cURus
			KUNSHAN XINGHONGMEN G ELECTRONIC CO LTD	1015	Min. 18AWG, min. 300Vac, min. 80°C	cURus
				1007		cURus
				1185		cURus
				3271		cURus
				3266		cURus
				1569		cURus
			SUZHOU YEMAO ELECTRONIC CO LTD	1015	Min. 18AWG, min. 300Vac, min. 80°C	cURus
				1007		cURus
				1185		cURus
			Various	Various	Min. 18AWG, min. 300Vac, min. 80°C	cURus



4.0 Critical Components						
Photo #	Item no. <sup>1</sup>	Name	Manufacturer/ trademark <sup>2</sup>	Type / model <sup>2</sup>	Technical data and securement means	Mark(s) of conformity <sup>3</sup>
3	5	Insulating tube	SHENZHEN WOER HEAT-SHRINKABLE MATERIAL CO LTD	RSFR	600V, 125°C; Used on Class I AC inlet pin, cartridge fuse and heatsink	cURus
				RSFR-H		cURus
				RSFR-HPF		cURus
			QIFURUI ELECTRONICS CO	QFR-h	600V, 125°C; Used on Class I AC inlet pin, cartridge fuse and heatsink	cURus
			DONGGUAN SALIPT CO LTD	SALIPT S-901-300	300V, 125°C; Used on Class I AC inlet pin, cartridge fuse and heatsink	cURus
				SALIPT S-901-600	600V, 125°C; Used on Class I AC inlet pin, cartridge fuse and heatsink	cURus
			GUANGZHOU KAIHENG ENTERPRISE GROUP	K-2 (+)	600V, 125°C; Used on Class I AC inlet pin, cartridge fuse and heatsink	cURus
				K-2 (CB)	300V, 125°C; Used on Class I AC inlet pin, cartridge fuse and heatsink	cURus
			CHANGYUAN ELECTRONICS (SHENZHEN) CO LTD	CB-HFT	Min. 300V, 125°C; Used on Class I AC inlet pin, cartridge fuse and heatsink	cURus
4	6	PCB	WALEX ELECTRONIC (WUXI) CO LTD	T2	Min 1.6 mm thickness, min. V-0, 130°C, Fully comply with UL 796.	cURus
				T2A		cURus
				T2B		cURus
				T4		cURus
			DONGGUAN HE TONG ELECTRONICS CO LTD	CEM1		cURus
				2V0		cURus
				FR4		cURus
			CHEERFUL ELECTRONIC	03		cURus
				03A		cURus
				02		cURus
			DONGGUAN DAYSUN ELECTRONIC CO LTD	DS2		cURus
			SUZHOU CITY YILIHUA ELECTRONICS CO LTD	YLH-1		cURus
			SHANGHAI AREX PRECISION ELECTRONIC CO LTD	02V0		cURus
				04V0		cURus
			BRITE PLUS ELECTRONICS (SUZHOU) CO LTD	DKV0-3A		cURus
				DGV0-3A		cURus
			SHENZHEN TONGCHUANGXI N ELECTRONICS CO LTD	TCX		cURus
			Various	Various		cURus

#### 4.0 Critical Components

Photo #	Item no. <sup>1</sup>	Name	Manufacturer/ trademark <sup>2</sup>	Type / model <sup>2</sup>	Technical data and securement means	Mark(s) of conformity <sup>3</sup>
5	7	Fuse	Conquer Electronics Co., Ltd.	MST	T3.15A, 250Vac, interrupting rating 35A; (FS1,FS2 or F1, F2) (FS2 or F2 is optional) (FS1, FS2 for GT*41133 series, F1, F2 for GT*96900P series and GT*961200P series)	cURus
			Ever Island Electric Co., Ltd. and Walter Electric	2010	T3.15A, 250Vac, interrupting rating 130A; (FS1,FS2 or F1, F2) (FS2 or F2 is optional) (FS1, FS2 for GT*41133 series, F1, F2 for GT*96900P series and GT*961200P series)	cURus
			Bel Fuse Ltd.	RST	T3.15A, 250Vac, interrupting rating 100A; (FS1,FS2 or F1, F2) (FS2 or F2 is optional) (FS1, FS2 for GT*41133 series, F1, F2 for GT*96900P series and GT*961200P series)	cURus
			Cooper Bussmann LLC	SS-5	T3.15A, 250Vac, interrupting rating 35A; (FS1,FS2 or F1, F2) (FS2 or F2 is optional) (FS1, FS2 for GT*41133 series, F1, F2 for GT*96900P series and GT*961200P series)	cURus
			Walter Electronic Co. Ltd.	ICP series	T3.15A, 250Vac, interrupting rating 50A; (FS1,FS2 or F1, F2) (FS2 or F2 is optional) (FS1, FS2 for GT*41133 series, F1, F2 for GT*96900P series and GT*961200P series)	cURus
			Zhongshan Lanbao Electrical Appliances Co., Ltd.	RTI-10 series	T3.15A, 250Vac, interrupting rating 50A; (FS1,FS2 or F1, F2) (FS2 or F2 is optional) (FS1, FS2 for GT*41133 series, F1, F2 for GT*96900P series and GT*961200P series)	cURus
			Sun Electric Co.	5T	T3.15A, 250Vac, interrupting rating 100A; (FS1,FS2 or F1, F2) (FS2 or F2 is optional) (FS1, FS2 for GT*41133 series, F1, F2 for GT*96900P series and GT*961200P series)	cURus
			Bel Fuse Ltd.	5ST	T3.15A, 250Vac, interrupting rating 35A; (FS1,FS2 or F1, F2) (FS2 or F2 is optional) (FS1, FS2 for GT*41133 series, F1, F2 for GT*96900P series and GT*961200P series)	cURus
			Das & Sons International Ltd.	385T series	T3.15A, 250Vac, interrupting rating 35A; (FS1,FS2 or F1, F2) (FS2 or F2 is optional) (FS1, FS2 for GT*41133 series, F1, F2 for GT*96900P series and GT*961200P series)	cURus



4.0 Critical Components						
Photo #	Item no. <sup>1</sup>	Name	Manufacturer/ trademark <sup>2</sup>	Type / model <sup>2</sup>	Technical data and securement means	Mark(s) of conformity <sup>3</sup>
			Shenzhen Lanson Electronics Co. Ltd.	SMT	T3.15A, 250Vac, interrupting rating 35A; (FS1,FS2 or F1, F2) (FS2 or F2 is optional) (FS1, FS2 for GT*41133 series, F1, F2 for GT*96900P series and GT*961200P series)	cURus
5	8	Varistor (optional)	JOYIN CO LTD	07N471K	Maximum continuous voltage: 300Vac	cURus
				10N471K		cURus
				14N471K		cURus
			CENTRA SCIENCE CORP	07D471K		cURus
				10D471K		cURus
				14D471K		cURus
			THINKING ELECTRONIC INDUSTRIAL CO LTD	TVR07471K		cURus
				TVR10471K		cURus
				TVR14471K		cURus
			SUCCESS ELECTRONICS CO LTD	SVR07D471K		cURus
				SVR10D471K		cURus
				SVR14D471K		cURus
			CERAMATE TECHNICAL CO LTD	GNR07D471K		cURus
				GNR10D471K		cURus
				GND14D471K		cURus
			BRIGHTKING (SHENZHEN) CO LTD	07D471K		cURus
				10D471K		cURus
				14D471K		cURus
			LIEN SHUN ELECTRONICS CO LTD	07D471K		cURus
				10D471K		cURus
				14D471K		cURus
			HONGZHI ENTERPRISES LTD	HEL-07D471K		cURus
				HEL-10D471K		cURus
				HEL-14D471K		cURus
			GUANGXI NEW FUTURE INFORMATION INDUSTRY CO LTD	07D471K		cURus
				10D471K		cURus
				14D471K		cURus

4.0 Critical Components						
Photo #	Item no. <sup>1</sup>	Name	Manufacturer/ trademark <sup>2</sup>	Type / model <sup>2</sup>	Technical data and securement means	Mark(s) of conformity <sup>3</sup>
5	9	X capacitor (Optional)	Cheng Tung Industrial Co., Ltd.	CTX	(For GT*96900 series, GT*961200 series: Max. 0.22μF) (For GT*41133 series: Max. 0.47μF) 310Vac, 110°C, type X2 or X1	cURus
			Tenta Electric Industrial Co. Ltd.	MEX	(For GT*96900 series, GT*961200 series: Max. 0.22μF) (For GT*41133 series: Max. 0.47μF) 275Vac, 100°C, type X2 or X1	cURus
			Ultra Tech Xiphi Enterprise Co. Ltd.	HQX	(For GT*96900 series, GT*961200 series: Max. 0.22μF) (For GT*41133 series: Max. 0.47μF), 275Vac, 110°C, type X2 or X1	cURus
			Okaya Electric Industries	RE series	(For GT*96900 series, GT*961200 series: Max. 0.22μF) (For GT*41133 series: Max. 0.47μF), 275Vac, 100°C, type X2 or X1	cURus
			VISHAY Capacitors Belgium NV	F1772	(For GT*96900 series, GT*961200 series: Max. 0.22μF) (For GT*41133 series: Max. 0.47μF) 310Vac, 110°C, type X2 or X1	cURus
			Winday Electronic Industries Co., Ltd.	MPX	(For GT*96900 series, GT*961200 series: Max. 0.22μF) (For GT*41133 series: Max. 0.47μF), 275Vac, 100°C, type X2 or X1	cURus
			Dain Electronics Co., Ltd.	MPX	(For GT*96900 series, GT*961200 series: Max. 0.22μF) (For GT*41133 series: Max. 0.47μF), 275Vac, 100°C, type X2 or X1	cURus
				MEX		cURus
				NPX		cURus
			Sinhua Electronics (Huzhou) Co., Ltd.	MPX	(For GT*96900 series, GT*961200 series: Max. 0.22μF) (For GT*41133 series: Max. 0.47μF) 310Vac, 110°C, type X2 or X1	cURus
			Shunde Da Hua Electric Co., Ltd.	HD-MKP	(For GT*96900 series, GT*961200 series: Max. 0.22μF) (For GT*41133 series: Max. 0.47μF) 250Vac, 105°C, type X2 or X1	cURus
			Foshan Shunde Chuang Ge	MKP-X2	(For GT*96900 series, GT*961200 series: Max. 0.22μF) (For GT*41133 series: Max. 0.47μF), 275Vac, 100°C, type X2	cURus



4.0 Critical Components						
Photo #	Item no. <sup>1</sup>	Name	Manufacturer/ trademark <sup>2</sup>	Type / model <sup>2</sup>	Technical data and securement means	Mark(s) of conformity <sup>3</sup>
			Hongzhi Enterprises Ltd.	MPX	(For GT*96900 series, GT*961200 series: Max. 0.22μF) (For GT*41133 series: Max. 0.47μF), 275Vac, 100°C, type X2	cURus
5	10	Line filter (Optional)	GlobTek/ZhongTong/HEJIA/BOAM/ENG	LF001	LF1; Class A	NR
5	11	Line filter (Optional)	GlobTek/ZhongTong/HEJIA/BOAM/ENG	LF002	LF2; Class A, For model:GT*41133 series	NR
				LF026	LF2; Class A, For model: GT*96900P series and GT*961200P series	NR
5	12	Line filter (Optional)	GlobTek/ZhongTong/HEJIA/BOAM/ENG	LF003	Class A; (LF3 For model:GT*41133 series; L1 For model:GT*96900P series, GT*961200P series)	NR
5	13	PFC Chock (Optional)	GlobTek/ZhongTong/HEJIA/BOAM/ENG	LF004	L2; Class A, For model:GT*41133 series	NR
				LF028	L2; Class A, For model:GT*96900P series and GT*961200P series	NR
5	14	Y-Capacitor (optional)	SUCCESS ELECTRONICS CO LTD	SE	Type Y1, min. 250V, min. 125°C, (For GT*96900P series, GT*961200P series: max. 2200pF,) (For GT*41133 series, max. 1000pF)	cURus
				SB		cURus
			TDK-EPC CORPORATION	CD		cURus
			MURATA MFG CO LTD	KX		cURus
			WALSIN TECHNOLOGY CORP	AH		cURus
			JYA-NAY CO LTD	JN		cURus
			HAOHUA ELECTRONIC CO	CT7		cURus
			JERRO ELECTRONICS CORP	JX-series		cURus

4.0 Critical Components						
Photo #	Item no. <sup>1</sup>	Name	Manufacturer/ trademark <sup>2</sup>	Type / model <sup>2</sup>	Technical data and securement means	Mark(s) of conformity <sup>3</sup>
5	15	Optocoupler	LITE-ON Technology Corporation	LTV-817	Ext. Cr: min. 8.0 mm; DTI: min. 0.6 mm; Thermal cycling test. Max. operating temp.: 115°C.	cURus
			Fairchild Semiconductor Pte. Ltd.	FOD817B	Ext. Cr: min. 7.8 mm; DTI: min. 0.6 mm; Thermal cycling test. Max. operating temp.: 115°C	cURus
			Bright Led Electronics Corp.	BPC-817	Ext. Cr: min. 7.0 mm; DTI: min. 0.4 mm; Thermal cycling test. Max. operating temp.: 100°C.	cURus
				BPC-817 M		cURus
				BPC-817 S		cURus
			Everlight Electronics Co., Ltd.	EL817	Ext. Cr: min. 7.7 mm; DTI: min. 0.5 mm; Thermal cycling test. Max. operating temp.: 110°C.	cURus
			GLOBTEK INC	TF012	Output voltage range: 35.1V-48V, Class B, with insulation system and critical component listed below. (For GT*41133 series)	NR
				TF013	Output voltage range: 12V-16V, Class B, with insulation system and critical component listed below. (For GT*41133 series)	NR
				TF014	Output voltage range: 16.1V-24V, Class B, with insulation system and critical component listed below. (For GT*41133 series)	NR
				TF015	Output voltage range: 24.1V-35V, Class B, with insulation system and critical component listed below. (For GT*41133 series)	NR
				TF047	Output voltage range:12.0V-13.4V; Class B with insulation and critical component listed below. (For GT*96900P series and GT*961200P series)	NR
				TF075	Output voltage range:13.5V-14.9V; Class B with insulation and critical component listed below. (For GT*96900P series and GT*961200P series)	NR
				TF048	Output voltage range:15.0V-16.9V; Class B with insulation and critical component listed below. (For GT*96900P series and GT*961200P series)	NR
				TF076	Output voltage range:17.0V-18.9V; Class B with insulation and critical component listed below. (For GT*96900P series and GT*961200P series)	NR
				TF072	Output voltage range:19.0V-21.3V; Class B with insulation and critical component listed below. (For GT*96900P series and GT*961200P series)	NR

#### 4.0 Critical Components

Photo #	Item no. <sup>1</sup>	Name	Manufacturer/ trademark <sup>2</sup>	Type / model <sup>2</sup>	Technical data and securement means	Mark(s) of conformity <sup>3</sup>
				TF077	Output voltage range:21.4V-23.9V; Class B with insulation and critical component listed below. (For GT*96900P series and GT*961200P series)	NR
				TF049	Output voltage range:24.0V-27.4V; Class B with insulation and critical component listed below. (For GT*96900P series and GT*961200P series)	NR
				TF078	Output voltage range:27.5V-31.4V; Class B with insulation and critical component listed below. (For GT*96900P series and GT*961200P series)	NR
				TF073	Output voltage range:31.5V-36.0V; Class B with insulation and critical component listed below. (For GT*96900P series and GT*961200P series)	NR
				TF079	Output voltage range:36.1V-41.9V; Class B with insulation and critical component listed below. (For GT*96900P series and GT*961200P series)	NR
				TF050	Output voltage range:42.0V-48.0V; Class B with insulation and critical component listed below. (For GT*96900P series and GT*961200P series)	NR
				TF074	Output voltage range:48.1V-54.0V; Class B with insulation and critical component listed below. (For GT*96900P series and GT*961200P series)	NR
				TF012	Output voltage range: 35.1V-48V, Class B, with insulation system and critical component listed below. (For GT*41133 series)	NR
				TF013	Output voltage range: 12V-16V, Class B, with insulation system and critical component listed below. (For GT*41133 series)	NR
				TF014	Output voltage range: 16.1V-24V, Class B, with insulation system and critical component listed below. (For GT*41133 series)	NR
				TF015	Output voltage range: 24.1V-35V, Class B, with insulation system and critical component listed below. (For GT*41133 series)	NR
				TF047	Output voltage range:12.0V-13.4V; Class B with insulation and critical component listed below. (For GT*96900P series and GT*961200P series)	NR



#### 4.0 Critical Components

Photo #	Item no. <sup>1</sup>	Name	Manufacturer/ trademark <sup>2</sup>	Type / model <sup>2</sup>	Technical data and securement means	Mark(s) of conformity <sup>3</sup>
5, 20	16	Transformer	WUXI HAOPUWEI ELECTRONICS CO LTD	TF075	Output voltage range:13.5V-14.9V; Class B with insulation and critical component listed below. (For GT*96900P series and GT*961200P series)	NR
				TF048	Output voltage range:15.0V-16.9V; Class B with insulation and critical component listed below. (For GT*96900P series and GT*961200P series)	NR
				TF076	Output voltage range:17.0V-18.9V; Class B with insulation and critical component listed below. (For GT*96900P series and GT*961200P series)	NR
				TF072	Output voltage range:19.0V-21.3V; Class B with insulation and critical component listed below. (For GT*96900P series and GT*961200P series)	NR
				TF077	Output voltage range:21.4V-23.9V; Class B with insulation and critical component listed below. (For GT*96900P series and GT*961200P series)	NR
				TF049	Output voltage range:24.0V-27.4V; Class B with insulation and critical component listed below. (For GT*96900P series and GT*961200P series)	NR
				TF078	Output voltage range:27.5V-31.4V; Class B with insulation and critical component listed below. (For GT*96900P series and GT*961200P series)	NR
				TF073	Output voltage range:31.5V-36.0V; Class B with insulation and critical component listed below. (For GT*96900P series and GT*961200P series)	NR
				TF079	Output voltage range:36.1V-41.9V; Class B with insulation and critical component listed below. (For GT*96900P series and GT*961200P series)	NR
				TF050	Output voltage range:42.0V-48.0V; Class B with insulation and critical component listed below. (For GT*96900P series and GT*961200P series)	NR
				TF074	Output voltage range:48.1V-54.0V; Class B with insulation and critical component listed below. (For GT*96900P series and GT*961200P series)	NR

4.0 Critical Components						
Photo #	Item no. <sup>1</sup>	Name	Manufacturer/ trademark <sup>2</sup>	Type / model <sup>2</sup>	Technical data and securement means	Mark(s) of conformity <sup>3</sup>
			SHAN DONG BOAM ELECTRIC CO LTD	TF012	Output voltage range: 35.1V-48V, Class B, with insulation system and critical component listed below. (For GT*41133 series)	NR
				TF013	Output voltage range: 12V-16V, Class B, with insulation system and critical component listed below. (For GT*41133 series)	NR
				TF014	Output voltage range: 16.1V-24V, Class B, with insulation system and critical component listed below. (For GT*41133 series)	NR
				TF015	Output voltage range: 24.1V-35V, Class B, with insulation system and critical component listed below. (For GT*41133 series)	NR
				TF047	Output voltage range:12.0V-13.4V; Class B with insulation and critical component listed below. (For GT*96900P series and GT*961200P series)	NR
				TF075	Output voltage range:13.5V-14.9V; Class B with insulation and critical component listed below. (For GT*96900P series and GT*961200P series)	NR
				TF048	Output voltage range:15.0V-16.9V; Class B with insulation and critical component listed below. (For GT*96900P series and GT*961200P series)	NR
				TF076	Output voltage range:17.0V-18.9V; Class B with insulation and critical component listed below. (For GT*96900P series and GT*961200P series)	NR
				TF072	Output voltage range:19.0V-21.3V; Class B with insulation and critical component listed below. (For GT*96900P series and GT*961200P series)	NR
				TF077	Output voltage range:21.4V-23.9V; Class B with insulation and critical component listed below. (For GT*96900P series and GT*961200P series)	NR
				TF049	Output voltage range:24.0V-27.4V; Class B with insulation and critical component listed below. (For GT*96900P series and GT*961200P series)	NR
				TF078	Output voltage range:27.5V-31.4V; Class B with insulation and critical component listed below. (For GT*96900P series and GT*961200P series)	NR

4.0 Critical Components						
Photo #	Item no. <sup>1</sup>	Name	Manufacturer/ trademark <sup>2</sup>	Type / model <sup>2</sup>	Technical data and securement means	Mark(s) of conformity <sup>3</sup>
				TF073	Output voltage range:31.5V-36.0V; Class B with insulation and critical component listed below. (For GT*96900P series and GT*961200P series)	NR
				TF079	Output voltage range:36.1V-41.9V; Class B with insulation and critical component listed below. (For GT*96900P series and GT*961200P series)	NR
				TF050	Output voltage range:42.0V-48.0V; Class B with insulation and critical component listed below. (For GT*96900P series and GT*961200P series)	NR
				TF074	Output voltage range:48.1V-54.0V; Class B with insulation and critical component listed below. (For GT*96900P series and GT*961200P series)	NR
5, 20	16a	Insulation system (Not shown)	GLOBTEK INC	GTX-130-TM	Class 130(B)	cURus
			WUXI HAOPUWEI ELECTRONICS CO LTD	ZT-130		cURus
			SHAN DONG BOAM ELECTRIC CO LTD	BOAM-01		cURus



4.0 Critical Components						
Photo #	Item no. <sup>1</sup>	Name	Manufacturer/ trademark <sup>2</sup>	Type / model <sup>2</sup>	Technical data and securement means	Mark(s) of conformity <sup>3</sup>
12	16b	Magnet wire	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD	UEWN/U	130°C	cURus
			JUNG SHING WIRE CO LTD	UEW-4		cURus
				UEY-2		cURus
			JIANGSU HONGLIU MAGNET WIRE TECHNOLOGY CO LTD	2UEW/130		cURus
			CHANGZHOU DAYANG WIRE & CABLE CO LTD	2UEW/130		cURus
			WUXI JUFENG COMPOUND LINE CO LTD	2UEWB		cURus
			JIANGSU DARTONG M & E CO LTD	UEW		cURus
			SHANDONG SAINT ELECTRIC CO LTD	UEW/130		cURus
			ZHEJIANG LANGLI ELECTRIC EQUIPMENTS CO LTD	UEW		cURus
11	16c	Insulating tape	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	1350F-1	Min.130°C	cURus
				1350T-1		cURus
				44		cURus
			BONDTEC PACIFIC CO LTD	370S		cURus
			JINGJIANG YAHUA PRESSURE SENSITIVE GLUE CO LTD	PZ		cURus
				CT		cURus
				WF		cURus
			JINGJIANG JINGYI ADHESIVE PRODUCT CO LTD	JY25-A		cURus
			CHANG SHU LIANG YI TAPE INDUSTRY CO LTD	LY-XX		cURus

4.0 Critical Components						
Photo #	Item no. <sup>1</sup>	Name	Manufacturer/ trademark <sup>2</sup>	Type / model <sup>2</sup>	Technical data and securement means	Mark(s) of conformity <sup>3</sup>
12	16d	Bobbin	CHANG CHUN PLASTICS CO LTD	T375J	V-0, 150°C, thickness 0.45 mm min.	cURus
				T375HF		cURus
			SUMITOMO BAKELITE CO LTD	PM-9820		cURus
			HITACHI CHEMICAL CO LTD	CP-J-8800		cURus
13	16e	Triple-insulated wire	GREAT LEOFLON INDUSTRIAL CO LTD	TRW(B)	Min. 130°C	cURus
			COSMOLINK CO LTD	TIW-M		cURus
			FURUKAWA ELECTRIC CO LTD	TEX-E		cURus
			TOTOKU ELECTRIC CO LTD	TIW-2		cURus
12	16f	PTFE tubing	GREAT HOLDING INDUSTRIAL CO LTD	TFT	300V, 200°C	cURus
				TFS	600V, 200°C	cURus
			SHENZHEN WOER HEAT-SHRINKABLE MATERIAL CO LTD	WF	600V, 200°C	cURus
			CHANGYUAN ELECTRONICS (SHENZHEN) CO LTD	CB-TT-T	300V, 200°C	cURus
				CB-TT-S	600V, 200°C	cURus

4.0 Critical Components						
Photo #	Item no. <sup>1</sup>	Name	Manufacturer/ trademark <sup>2</sup>	Type / model <sup>2</sup>	Technical data and securement means	Mark(s) of conformity <sup>3</sup>
20	17	Mylar Insulating sheet	TORAY INDUSTRIES INC	Lumirror H10	VTM-2, min. 0.4 mm thickness, 105°C	cURus
			SKC CO LTD	SH71S	VTM-2, min. 0.4 mm thickness, 105°C	cURus
			FORMEX, DIV OF IL TOOL WORKS INC, FORMERLY FASTEX, DIV OF IL TOOL WORKS INC	FORMEX GK series	V-0, min. 0.4 mm thickness, 115°C; Used between the transformer and secondary D53, D54	cURus
			SABIC INNOVATIVE PLASTICS US LLC	FR60 series	V-0, min. 0.4 mm thickness, 130°C; Used between the transformer and secondary D53, D54	cURus
				FR63 series		cURus
				FR65 series		cURus
				FR7 series		cURus
				FR700 series		cURus
			MIANYANG LONGHUA FILM CO LTD	PP-BK-20	VTM-0, min. 0.4 mm thickness, 80°C; Used between the transformer and secondary D53, D54	cURus
				PP-BK-17		cURus
				PP-BK-18		cURus
			CHENGDU KANGLONGXIN PLASTICS CO LTD	KLX PP WT-10 series	VTM-0, min. 0.4 mm thickness, 110°C; Used between the transformer and secondary D53, D54	cURus
			CHENGDU KANGLONGXIN PLASTICS CO LTD	KLX FRPC-1860B	VTM-0, min. 0.4 mm thickness, 80°C; Used between the transformer and secondary D53, D54	cURus



4.0 Critical Components						
Photo #	Item no. <sup>1</sup>	Name	Manufacturer/ trademark <sup>2</sup>	Type / model <sup>2</sup>	Technical data and securement means	Mark(s) of conformity <sup>3</sup>
6, 7	18	Insulating tape (Optional)	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	1350F-1	Min.130°C; Wrapping around the heatsink	cURus
				1350T-1		cURus
			BONDTEC PACIFIC CO LTD	370S		cURus
			JINGJIANG YAHUA PRESSURE SENSITIVE GLUE CO LTD	PZ		cURus
				CT		cURus
			JINGJIANG JINGYI ADHESIVE PRODUCT CO LTD	JY25-A		cURus
			CHANG SHU LIANG YI TAPE INDUSTRY CO LTD	LY-XX		cURus
27	19	Plug	YUNG LI CO LTD	YP-12	Min.125V, Min.10A, for followed by -TP models use only.	cULus
				YP-18		cULus
			JHI WEI ELECTRIC WIRE & CABLE CO LTD	JW-02	Min.125V, Min.10A, for followed by -TP models use only.	cULus
				JW-03		cULus
			SELF-MAN INDUSTRIAL CO	SM-045	Min.125V, Min.12A, for followed by -TP models use only.	cULus
27	20	Power Supply Cord	YUNG LI CO LTD	SVT	Min.18AWG, 105°C, VW-1, with or without Hospital Grade USA Plug or Regular Use USA Plug, NEMA 5-15P or 1-15P, for followed by -TP models use only.	cULus
			JHI WEI ELECTRIC WIRE & CABLE CO LTD	SVT	Min.18AWG, 105°C, VW-1, with or without Hospital Grade USA Plug or Regular Use USA Plug, NEMA 5-15P or 1-15P, for followed by -TP models use only.	cULus
			I SHENG ELECTRONICS (KUNSHAN) CO LTD	SVT	Min.18AWG, 105°C, VW-1, with or without Hospital Grade USA Plug or Regular Use USA Plug, NEMA 5-15P or 1-15P, for followed by -TP models use only.	cULus

4.0 Critical Components						
Photo #	Item no. <sup>1</sup>	Name	Manufacturer/ trademark <sup>2</sup>	Type / model <sup>2</sup>	Technical data and securement means	Mark(s) of conformity <sup>3</sup>
1	21	Label (Not shown)	DONGGUAN XIANGQUAN PRINTING CO LTD	XQ03	Rated min 80 deg C. Suitable for use on the plastic enclosure.	cURus
			FAN JA PAPER PRINTING CO LTD	FJ-03-3		cURus
			FAN JA PAPER PRINTING CO LTD	FJ07		cURus
			DONGGUAN XIANGQUAN PRINTING CO LTD	XQ004-B		cURus
			E-LIN ADHESIVE LABEL CO LTD	EL-15		cURus
			SHENZHEN CORWIN PRINTING CO LTD	CW-01		cURus
			YUEN CHANG SPECIAL PRINTING (SHENZHEN) CO LTD	JL-08		cURus
			SUZHOU HAIRONG PACKING PRODUCTION CO LTD	HR-01		cURus
			STEVEN LABEL CORP	HW332RL		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.						

<b>5.0 Critical Unlisted CEC Components</b>
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<b>No Unlisted CEC components are used in this report.</b>
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## 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 - In primary circuits, 3.0 mm minimum spacing are maintained through air between current-carrying parts of opposite polarity and 6.0 mm minimum between such current-carrying parts and dead-metal parts or low voltage isolated circuits. In primary circuits, 3.0 mm minimum spacing are maintained over surfaces of insulating material between current-carrying parts of opposite polarity and 6.0 mm minimum between such current-carrying parts and dead-metal parts or low voltage isolated circuits. With the equipment to be operated at 5000m above sea level max. the minimum clearances shall be multiplied by the factor 1.48.
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 and metal enclosure earthed with ventilation holes other than those specifically described in Sections 4 and 5.
5. 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.
6. Polarized Connection - This product is not provided with a polarized power supply connection.
7. 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 20AWG, with a minimum rating of 300V, 80°C.
8. Schematics - Refer to Illustration No(s). 2, 2a, 3, 3a for schematics & PCB layout requiring verification during Field Representative Inspection Audits.
9. Markings - The product is marked on a labeling system as described in item No. 21 of Section 4.0 as follows: brand name, model number, electrical ratings, manufacturer. Refer to Illustration No. 4 for details.
10. Transformer - Supplier records must be provided that indicate the received shipment of transformers (section 4.0, item 16) was constructed as indicated in Illustrations 5, 6 and 6a. These records must be available at the factory for inspection on every received shipment.
11. Safety Instructions - Instructions for installation and use of this product are provided by the manufacturer. Refer to Illustration No. 7 for details.

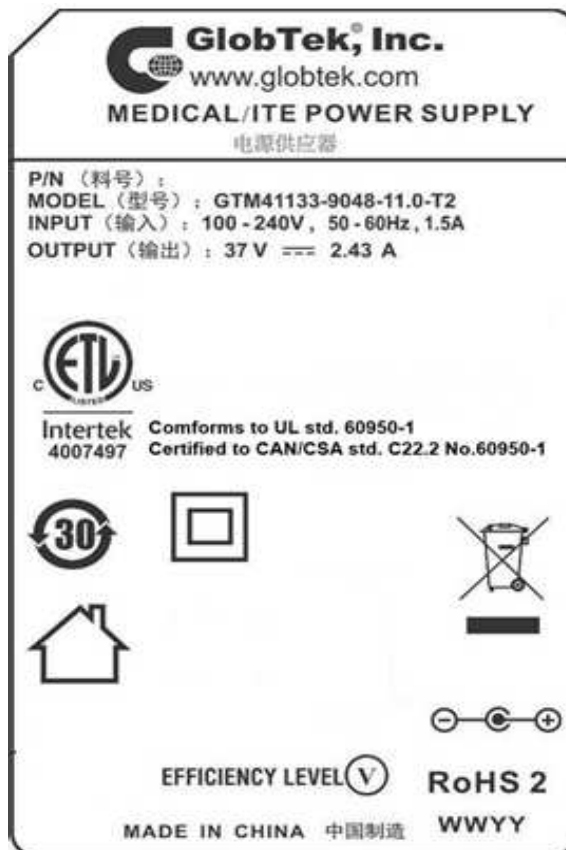
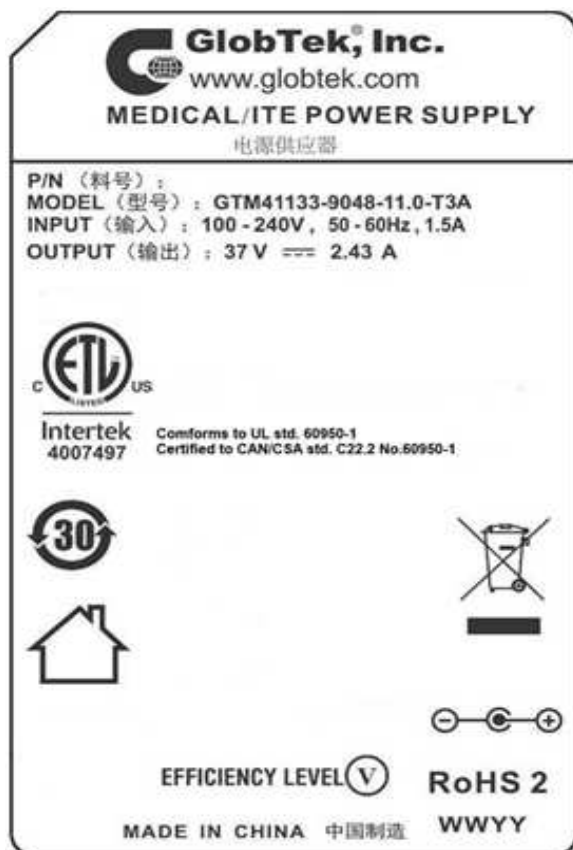


## 7.0 Illustrations

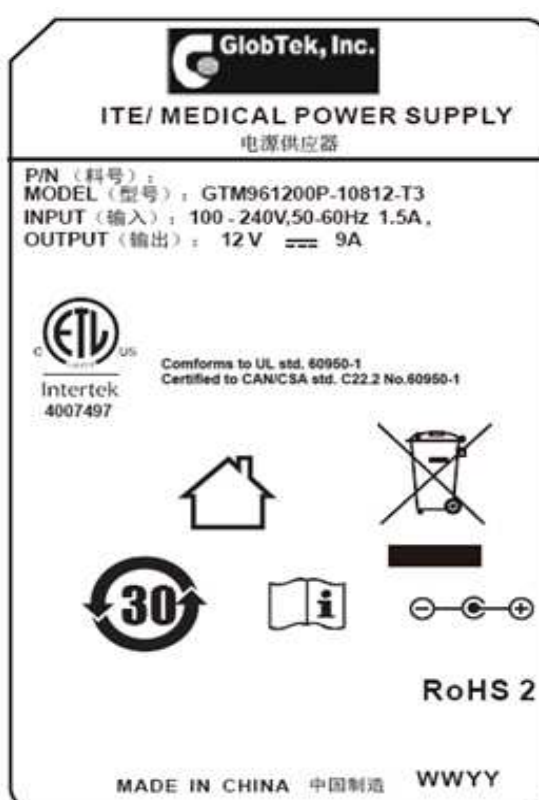
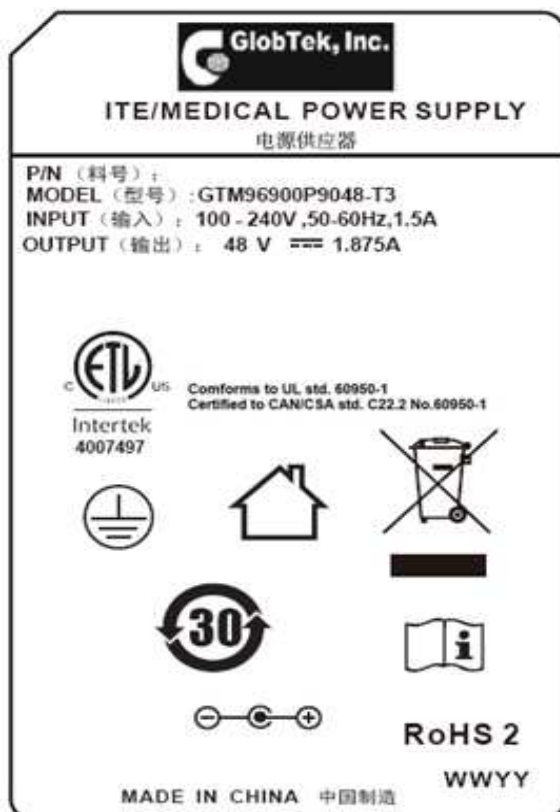
### Illustration 4 - Marking label

The marking plates of the other models listed in this report are identical with below except  
**Note: The left one represents Class I model series & the right one represents Class II model**

(For model: GT\*41133 series)



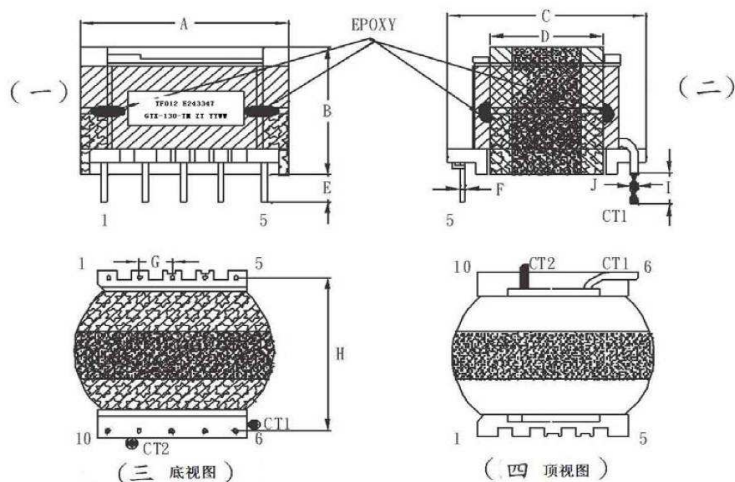
(For model: GT\*96900P series and GT\*961200P series)



## 7.0 Illustrations

Illustration 5 - Mains transformer specification (For model:GT\*41133 series)

### 1. DIMENSION (UNIT : mm)

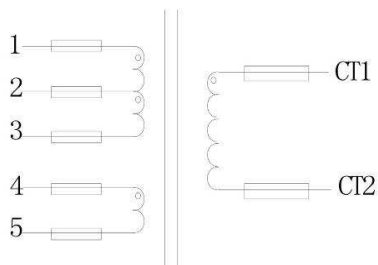


#### NOTE:

1. PIN6, 7, 8, 10 CUT OFF
2. 磁芯中柱及接缝处 (4点) 需点胶固定。
3. 针脚侧磁芯需用 30mm 胶带裹覆。
4. 磁芯浸漆之后将磁芯胶带拆除, 沿磁芯方向包一圈 0.025\*7mm (背胶) 铜箔, 焊点在 PIN1-10 脚侧, 引线接在 PIN5 脚。
5. 成品在磁芯针脚侧包 2 层 26mm "U" 型胶带, 顶部不包, 最后沿线圈方向包 2 圈 14mm 胶带。

DIM	A	B	C	D	E	F	G	H	I	J
	MAX	MAX	MAX	MAX	+/-0.3	+/-0.1	+/-0.5	+/-0.5	+/-1.0	MAX
SPEC	36.0	19.6	38.0	24.0	4.5	0.8	5.0	33.5	4.5	1.8

### 2. SHCEMATIC:



## 7.0 Illustrations

### Illustration 6 - Mains transformer specification (cont.) (For model:GT\*41133 series)

#### 3. ELECTRICAL CHARACTERISTICS

NO	ITEM	TERMINAL	SPECIFICATION	REMARKS
3-1	INDUCTANCE	1-3	475uH $\pm$ 10%	GainKaiTa3250 @30KHz, 1Vrms
3-2	LEAK INDUCTANCE	1-3 短路其他绕组	25uH MAX	
3-3	HI-POT TESTING	Pri-Sec	AC 3.75KV/2mA/3S	CJ2670
		Pri-Core	AC 1.5KV/2mA/3S	
		Sec-Core	AC 1.5KV/2mA/3S	

#### 4. WINDING SPEC

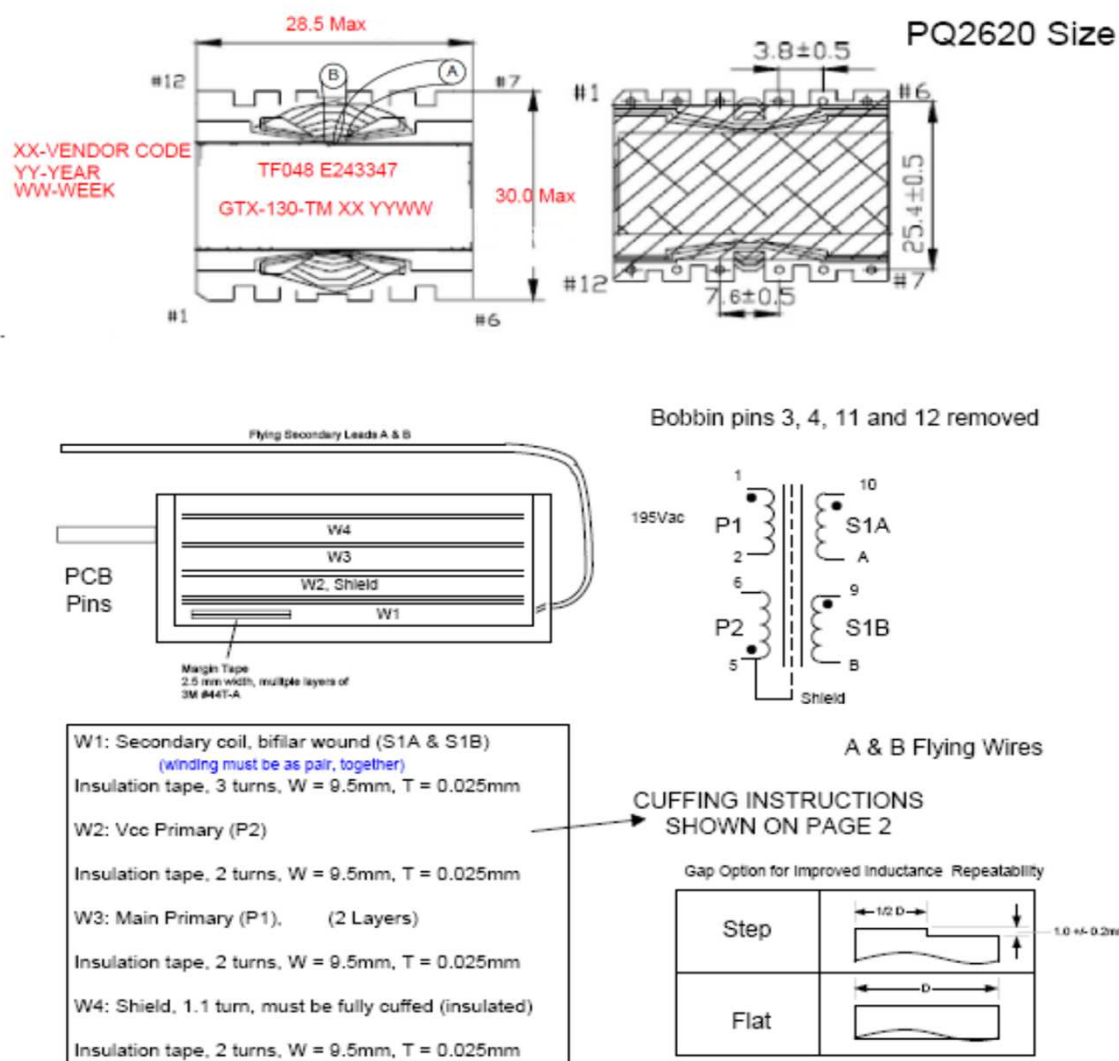
NO	TERMINAL		TURNS	WIRE	STRAN DS	INSULATION MATERIAL	INSULA TION LAYERS
	S	F					
N1	1	2	26	2UEW/130 $\phi$ 0.10	25	PET 0.025	2
E1	5		0.9	0.05*7W(背胶)		PET 0.025	2
N2	CT1	CT2	11	TRWB $\phi$ 0.55	2	PET 0.025	2
N3	4	5	8	2UEW/130 $\phi$ 0.22	2	PET 0.025	2
N4	2	3	12	2UEW/130 $\phi$ 0.10	25	PET 0.025	2

1. N1 绕组需层间绝缘。
2. N3 疏绕一层。
3. N2 均为飞线引出，CT1 穿透明套管，从 PIN6 脚侧旁进线。CT2 穿黑色套管，从 PIN9,10 脚间出线。



## 7.0 Illustrations

**Illustration 6a - Mains transformer specification (For:GT\*96900P series and GT\*961200P series)**





## 7.0 Illustrations

### Illustration 7 - Product manual

**PROPRIETARY INFORMATION:**  
PROPRIETARY OF GLOBTEK, INC. ANY REPRODUCTION, DISCLOSURE OR USE OF THIS DRAWING, IN WHOLE OR IN PART, IS HEREBY PROHIBITED EXCEPT AS SPECIFIED IN WRITING BY GLOBTEK, INC.

**OTHERS**

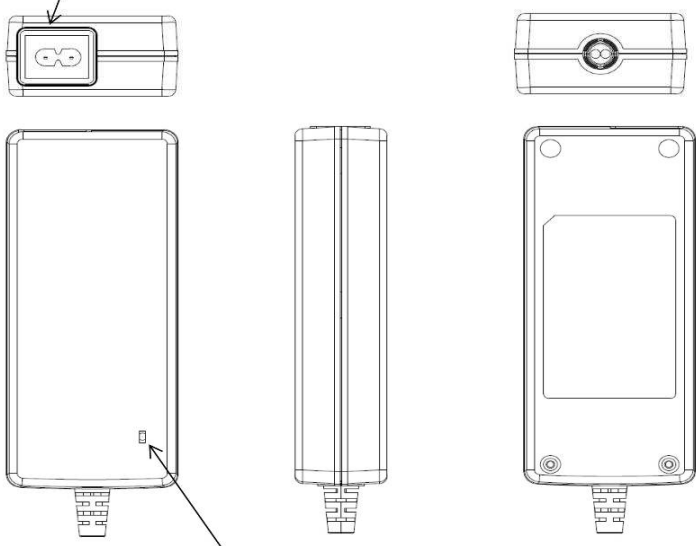
MTBF:	200,000 HOURS AT 25°C AMBIENT TEMPERATURE
OPERATING TEMPERATURE:	0°C TO 40° C AMBIENT TEMPERATURE
HUMIDITY:	15% TO 93% RELATIVE HUMIDITY
STORAGE TEMPERATURE:	-40°C TO +80° C
RoHS 2:	COMPLIES WITH EU 2011/65/EU AND CHINA SO/T 11363-2006


**3. ENCLOSURE:**

MATERIAL	94V-0 SABIC INNOVATIVE PLASTIC, SE1 or EQUIVALENT
COLOR:	BLACK
DIMENSIONS:	62.4 x 149.4 x 33.5mm +/- 1.0
AC INLET	IEC 60320 / C8

**WARNING:** To avoid risk of electric shock, this equipment must only be connected to a supply mains with protective earth. (Class I models)  
**ATTENTION:** Pour éviter tout risque de choc électrique, cet équipement ne doit être raccordé à un réseau d'alimentation avec terre de protection. (Modèles de catégorie I)

ADDITIONAL HIDDEN SEAL ADDED IN THE AC INLET AREA IF NECESSARY  
TO PASS 168 HOURS HUMIDITY TESTING RESPECTIVELY FOR IP21 REQUIREMENTS.




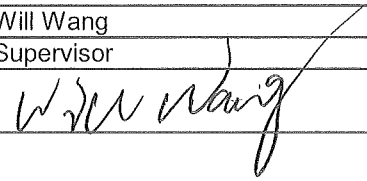
GREEN LED 

8.0 Test Summary					
Evaluation Period	2013-09-02~2013-09-29			Project No.	130801751SHA
Sample Rec. Date	2-Sep-2013	Condition	Prototype	Sample ID.	0130902-24-001/002/003
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			Standard for Safety for Information Technology Equipment Safety Part 1: General Requirements: (UL 60950-1 Issued: 2007/03/27 Ed:2 Rev: 2011/12/19 & CAN/CSA C22.2 No.60950-1 Issued: 2007/03/27 Ed:2 (R 2012) Rev: 2011/12/19)		
Input current test			Clause 1.6.2		
Marking durability test			1.7.11		
Finger test			2.1.1.1 b)		
Pin test			2.1.1.1 c)		
Voltages under normal conditions test			2.2.2		
Voltages under fault conditions test			2.2.3		
Limited current circuit test			2.4		
Limited power source test			2.5		
Earthing resistance test			2.6.3		
Humidity test			2.9.2		
Working voltage measurement			2.10.2		
Clearances and creepage distances			2.10.3/2.10.4		
Distance through insulation measurement			2.10.5		
Mechanical strength - steady force test, 10 N			4.2.2		
Mechanical strength - steady force test, 250 N			4.2.4		
Mechanical strength - impact test			4.2.5		
Mechanical strength - drop test			4.2.6		
Mechanical strength - stress relief test			4.2.7		
Temperature test			4.5.1		
Ball pressure test of thermoplastic parts			4.5.5		
Touch current & protective conductor current test			5.1		
Electric strength test			5.2		
Abnormal operating and fault conditions test			5.3		

Evaluation Period	19-Dec-2016 to 13-Mar-2017			Project No.	161200823SHA
Sample Rec. Date	12-Dec-2016	Condition	Prototype	Sample ID.	0161212-35-001~016
Test Location	Intertek Testing Services Shanghai				
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.					
After evaluation, some additional tests were performed in below updated standards:					
Test Description			Information Technology Equipment Safety Part 1: General Requirements >Valid without technical revision: 01Jan2022< [UL 60950-1:2007 Ed.2+R:14Oct2014] Information Technology Equipment Safety Part 1: General Requirements (R2012) >Valid without technical revision: 01Jan2022< [CSA C22.2#60950-1:2007 Ed.2 +A1;A2] Clause		
Input test			1.6.2		
Finger test			2.1.1.1 b)		

8.0 Test Summary	
Pin test	2.1.1.1 c)
Energy hazards test	2.1.1.5
Capacitor discharging test	2.1.1.7
Voltage under normal conditions test	2.2.2
Voltage under fault conditions test	2.2.3
Limited current circuits test	2.4
Limited Power Source	2.5
Humidity condition test	2.9.2
Determination of working voltage test	2.10.2
Clearances measurement	2.10.3
Creepage distances measurement	2.10.4
Solid insulation measurement	2.10.5
Steady force test, 10N	4.2.2
Steady force test, 250N	4.2.4
Stress relief test	4.2.7
Temperature tests	4.5.2
Resistance to abnormal heat	4.5.5
Touch current test	5.1
Electric strength test	5.2
Abnormal operating and fault conditions test	5.3

Evaluation Period	18-Jan-2019 to 19-Feb-2019			Project No.	190101583SHA
Sample Rec. Date	18-Jan-2019	Condition	Prototype	Sample ID.	0190118-03-001~002
Test Location	Intertek Testing Services Shanghai				
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.					
After evaluation, some additional tests were performed in below updated standards:					
Test Description			Information Technology Equipment Safety Part 1: General Requirements >Valid without technical revision: 20Dec2020< [UL 60950-1:2007 Ed.2+R:14Oct2014] Information Technology Equipment Safety Part 1: General Requirements (R2016) >Valid without technical revision: 20Dec2020< [CSA C22.2#60950- 1:2007 Ed.2 +A1;A2] Clause		
			1.6.2		
			2.5		
			4.5.2		

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:	Albert Zhou	Reviewed by:	Will Wang
Title:	Engineer	Title:	Supervisor
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 Dr. Northvale, NJ 07647
Country	USA
Product	ITE 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.

**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:**

<b>Product</b>	<b>Test Voltage</b>	<b>Test Time</b>
<b>One sample from each shipment of Section 4.0 item 16:</b>		
Between primary circuit and secondary output	3000Vac	1 minute
Between secondary circuit and core	3000Vac	1 minute
<b>Product</b>	<b>Test Voltage</b>	<b>Test Time</b>
Between L/N and PE terminal for Class I models only	1500V	1 s
Between L/N and accessible plastic enclosure with metal foil for all models	3000V	1 s
Between L/N and secondary output for Class II models only	3000V	1 s

### 11.2 Grounding Continuity Test

#### Method

Each product listed below shall be subjected to a test to determine that there is continuity between accessible dead-metal parts of the product and the grounding pin or blade of the attachment plug.

If all accessible dead metal is connected, only a single test need be performed. A visual or audible device (ohmmeter, buzzer, etc.) may be used to indicate grounding continuity.

#### **Products Requiring Grounding Continuity Test:**

Class I models covered by this Report.

<b>12.0 Revision Summary</b>				
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
24-Mar-2017	Albert Zhou	1	-	Updated the standard from "Standard for Safety for Information Technology Equipment Safety Part 1: General Requirements: (UL 60950-1 Issued: 2007/03/27 Ed:2 Rev: 2011/12/19 & CAN/CSA C22.2 No.60950-1 Issued: 2007/03/27 Ed:2 (R 2012) Rev: 2011/12/19)" to "Information Technology Equipment Safety Part 1: General Requirements >Valid without technical revision: 01Jan2022< [UL 60950-1:2007 Ed.2 +R:14Oct2014] Information Technology Equipment Safety Part 1: General Requirements (R2012) >Valid without technical revision: 01Jan2022< [CSA C22.2#60950-1:2007 Ed.2 +A1;A2]".
161200823SHA	Will Wang	2	-	Updated the brand name from "GlobTek" to Updated the Description and Model Similarity. Updated the model name from "GT*41133-***-T* (The 1st "*" part can be 'M' or '-' or 'H'; The 2nd "*" part can be "01" to "90", with interval of 1; The 3rd "*" part can be "16", "24", "35" or "48"; The 4th "*" part can be "-0.1" to "-12.9" with interval of 0.1 or blank; The 5th "*" part can be '2', "3A".)" to "GT followed by M, - or H; followed by 41133-; followed by 01 to 90; followed by 16, 24, 35 or 48; may be followed by -0.1 to -12.9; followed by -T2 or -T3A; may be followed by six characters." Added new model name "GT followed by M, - or H; followed by 96900P or 961200P; may be followed by -; followed by 01 to 120; followed by 12 to 54; may be followed by .0 to .9; followed by -T2, -T2A, -T3, -T3A or -T3TAB; may be followed by six characters."
		3	14-26	Added new photos for new added models. No evaluation to the standards needed.
		4	1	Added new model "SE100, 945 and HF500R" of Plastic enclosure manufactured by "SABIC INNOVATIVE PLASTICS B V" No evaluation to the standards needed.
		4	2	Added new suppliers "Shenzhen Delikang Electronics Technology Co Ltd" and "ZHE JIANG BEI ER JIA ELECTRONIC CO LTD" of AC inlet. No evaluation to the standards needed.
		4	4	Added new model "1185, 1569, 3271 or 3266" of earthing wire. No evaluation to the standards needed.
		4	6	Added new model "T2, 2V0, FR4, 02 and DGV0-3A " of PCB. No evaluation to the standards needed.
		4	11	Added new model "LF026" of Line filter LF2 for model: GT*96900P series and GT*961200P series No evaluation to the standards needed.
		4	13	Added new model "LF028" of PFC Chock (L2) for model: GT*96900P series and GT*961200P series No evaluation to the standards needed.
		4	15	Changed the component name from "Optocoupler (U1)" to "Optocoupler (U2)". No evaluation to the standards needed.



<b>12.0 Revision Summary</b>				
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
		4	16	Added new model "TF047, TF075, TF048, TF076, TF072, TF077, TF049, TF078, TF073, TF079, TF050 and TF074" of transformer for model GT*96900P series and GT*961200P series
		7	1	Added model list for model GT*96900P series and GT*961200P series No evaluation to the standards needed.
		7	2, 3	Updated the Circuit diagram and PCB layout because of the Optocoupler name from "U1" to "U2". No evaluation to the standards needed.
		7	2a, 3a	Added new PCB Layout and circuit diagram for model GT*96900P series and GT*961200P series
		7	4	Added new marking label for model GT*96900P series and GT*961200P series No evaluation to the standards needed.
		7	6a	Added new transformer specification for model GT*96900P series and GT*961200P series. No evaluation to the standards needed
		8	-	Updated the standard from "Standard for Safety for Information Technology Equipment Safety Part 1: General Requirements: (UL 60950-1 Issued: 2007/03/27 Ed:2 Rev: 2011/12/19 & CAN/CSA C22.2 No.60950-1 Issued: 2007/03/27 Ed:2 (R 2012) Rev: 2011/12/19)" to "Information Technology Equipment Safety Part 1: General Requirements >Valid without technical revision: 01Jan2022< [UL 60950-1:2007 Ed.2 +R:14Oct2014] Information Technology Equipment Safety Part 1: General Requirements (R2012) >Valid without technical revision: 01Jan2022< [CSA C22.2#60950-1:2007 Ed.2 +A1;A2]". Added new test block in section 8.
		8.1	-	Updated the signature. No evaluation to the standards needed.

## 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
29-Apr-2019	Albert Zhou <i>Albert Zhou</i>	1	-	Updated the UL 60950-1 standard format from "Information Technology Equipment Safety Part 1: General Requirements >Valid without technical revision: 01Jan2022< [UL 60950-1:2007 Ed.2 +R:14Oct2014]" to "Information Technology Equipment Safety Part 1: General Requirements >Valid without technical revision: 20Dec2020< [UL 60950-1:2007 Ed.2 +R:14Oct2014]". Updated the CSA C22.2 No. 60950-1 standard format from "Information Technology Equipment Safety Part 1: General Requirements (R2012) >Valid without technical revision: 01Jan2022< [CSA C22.2#60950-1:2007 Ed.2 +A1;A2]" to "Information Technology Equipment Safety Part 1: General Requirements (R2016) >Valid without technical revision: 20Dec2020< [CSA C22.2#60950-1:2007 Ed.2 +A1;A2]". Updated the contact, phone and email of applicant from "Hans Moritz" to "Michael Krakovyak", "(201)784-1000 Ext.253" to "(201)784-1000 Ext.106" and "Moritzh@globtek.com" to "Krakovyakm@globtek.us". No evaluation to the standards needed.
190101583SHA	Will Wang <i>Will Wang</i>	2	-	Added new models from "GT followed by M, - or H; followed by 96900P or 961200P; may be followed by -; followed by 01 to 120; followed by 12 to 54; may be followed by .0 to .9; followed by -T2, -T2A, -T3, -T3A, -T2TAB, -T2ATAB, -T3TAB or -T3ATAB; may be followed by six characters." to "GT followed by M, - or H; followed by 96900P or 961200P; may be followed by -; followed by 01 to 120; followed by 12 to 54; may be followed by .0 to .9; followed by -T2, -T2A, -T3, -T3A, -T2TAB, -T2ATAB, -T3TAB, -T3ATAB or -TP; may be followed by six characters." Updated the information of Description.
		3	27	Added a new photos for new models. No evaluation to the standards needed.
		4	19	Added new suppliers "YUNG LI CO LTD" with model "YP-12 and YP-18", "JHI WEI ELECTRIC WIRE & CABLE CO LTD" with model "JW-02 and JW-03" and "SELF-MAN INDUSTRIAL CO" with model "SM-045" for US plug.
		4	20	Added new suppliers "YUNG LI CO LTD" with model "SVT", "JHI WEI ELECTRIC WIRE & CABLE CO LTD" with model "SVT" and "I SHENG ELECTRONICS (KUNSHAN) CO LTD" with model "SVT" for power supply cord.
		7	1	Updated the model list. No evaluation to the standards needed.
		8	-	Added new test items.
		8.1	-	Updated the signature. No evaluation to the standards needed.