Listing Constructional Data Report (CDR)

1.0 Reference and Address					
Report Number	160900318SHA-001	Original Issued:	2-Dec-2016	Revised:	None
Standard(s)	Class 2 Power Units [UL 1310:2011 Ed.6 +R:12Dec2014] Power Supplies With Extra-Low Voltage Class 2 Outputs [CSA C22.2 No.223:2015 Ed.3]				

Applicant	GlobTek, Inc.	Manufacturer	**GlobTek (Suzhou) Co., Ltd.**
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Country	USA	Country	China
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2.0 Product Description	
Product	Class 2 Power Supply
Brand name	GlobTek, Inc.
Description	Products covered by this report are class 2 power supply module, with appliance inlet for connecting of a detachable power supply cord, for indoor use only. Desktop power supply is provided with suitable external enclosure, which is Class I or Class II apparatus. Two pieces of outer enclosure are enclosed with ultrasonic welding without screw. The product is not intended to use in the environment which altitude exceed 5000m.
Models	GT*96600-**** (GT followed by M, - or H; followed by 96600-; followed by 01 to 60; followed by 05 to 54; followed by -T2, -T2A, -T2AL, -T2L, -T3, -T3A, -T3AL, -T3L, -R2 or -R3A; may be followed six characters.) or (GT followed by M, - or H; followed by 96600-; followed by 01 to 60; followed by 5 to 54; followed by .0 to .9; followed by -T2, -T2A, -T2AL, -T2L, -T3, -T3A, -T3AL, -T3L, -R2 or -R3A; may be followed six characters.)
Model Similarity	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 “60”, with interval of 1. The 3rd “*” denotes the standard rated output voltage designation, which can be “05” to “54” or “5.0” 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 =-T3A means desktop class I with C6 AC inlet =-T2L means desktop class II with C8 AC inlet and housing with a DC jack =-T2AL means desktop class II with C18 AC inlet and housing with a DC jack =-T3L means desktop class I with C14 AC inlet and housing with a DC jack =-T3AL means desktop class I with C6 AC inlet and housing with a DC jack =-R2 means hybrid desktop housing class II with C8 AC inlet =-R3A means hybrid desktop housing class I with C6 AC inlet The last * denote any six character = 0-9 or A-Z or ()[] or – or blank for marketing purposes. There are two alternative type of enclosure. Transformers used in models of GT*96600-**** are with similar construction. The turns of secondary winding may be added or reduced according different output voltage. Some non-critical components may be adjusted according different output voltage. The parameters of these components depend on output voltage.
Ratings	Input:100-240V~, 50-60Hz, 1.5A Output: 5-54VDC, Max. 5.0A, Max. 60W See section 7.0, Illustration 1 for details
Other Ratings	N/A

3.0 Product Photographs

Photo 1 - External view

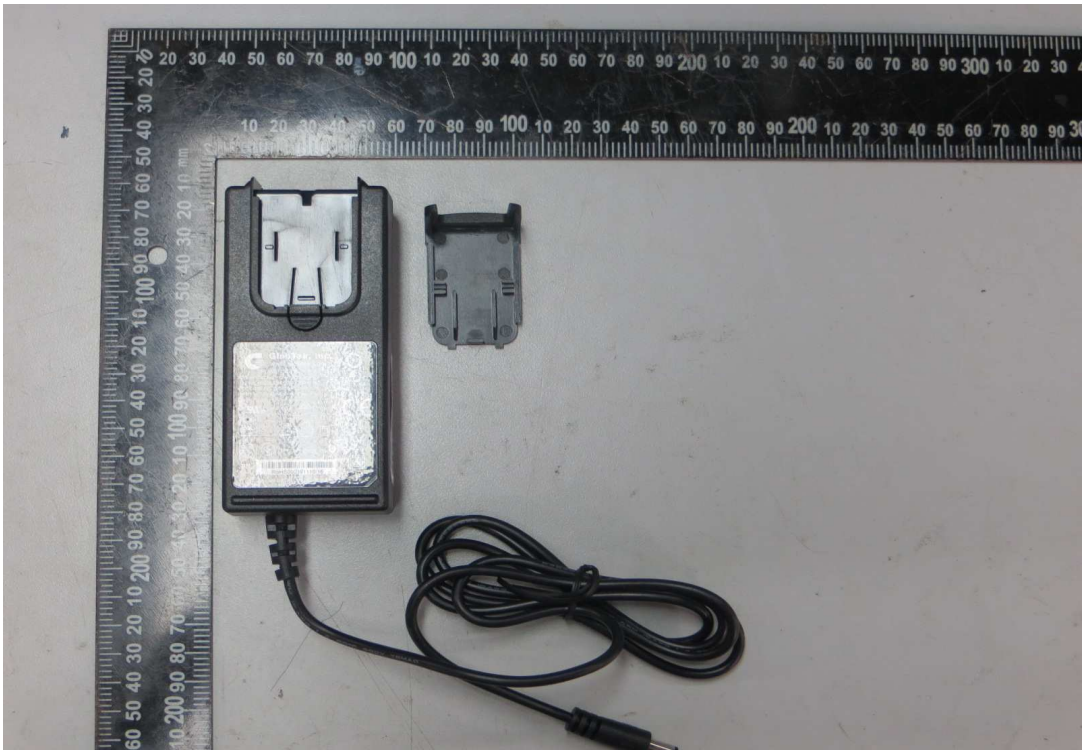


Photo 2 - External view

3.0 Product Photographs

Photo 3 - External view

Photo 4 - External view

3.0 Product Photographs

Photo 5 - Internal view

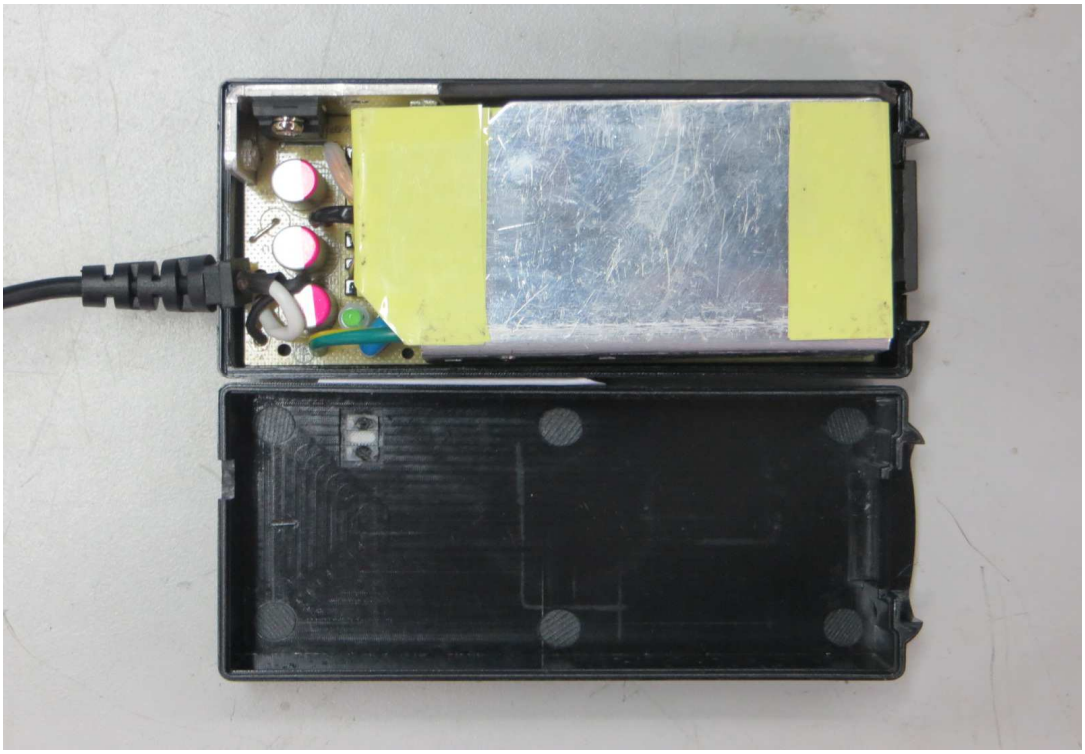
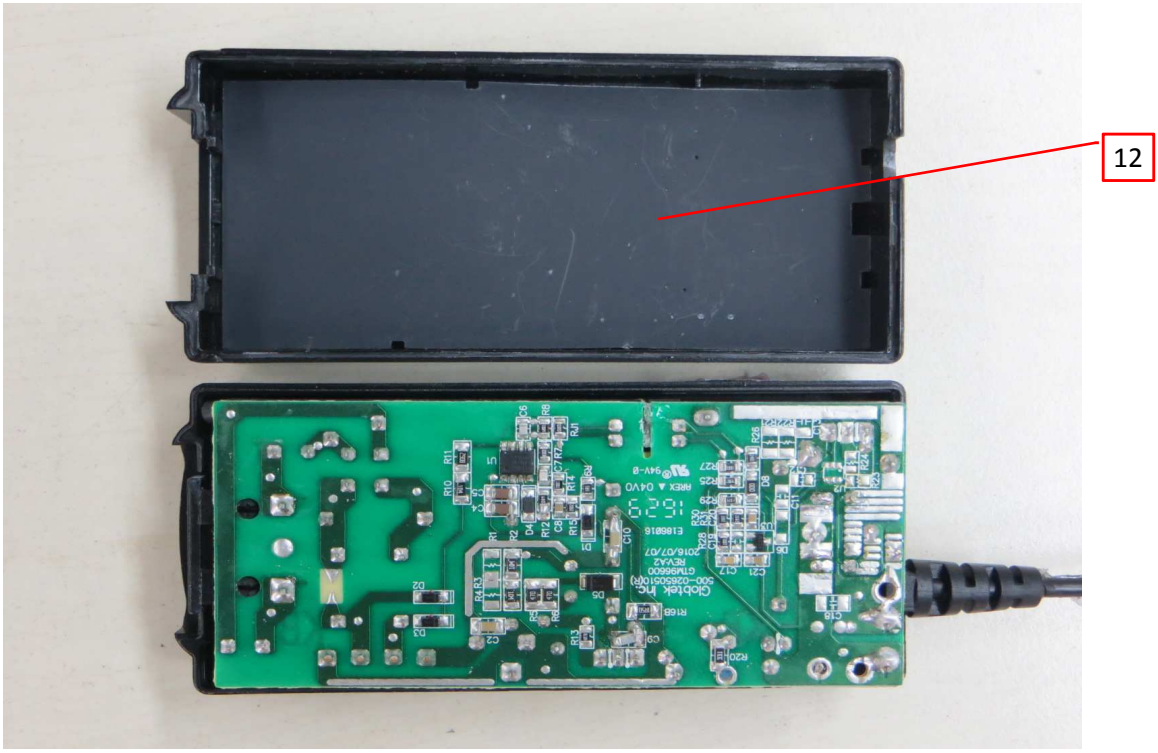


Photo 6 - Internal view



3.0 Product Photographs

Photo 7 - Internal view

Photo 8 - Internal view

3.0 Product Photographs

Photo 9 - PCB (Class II)

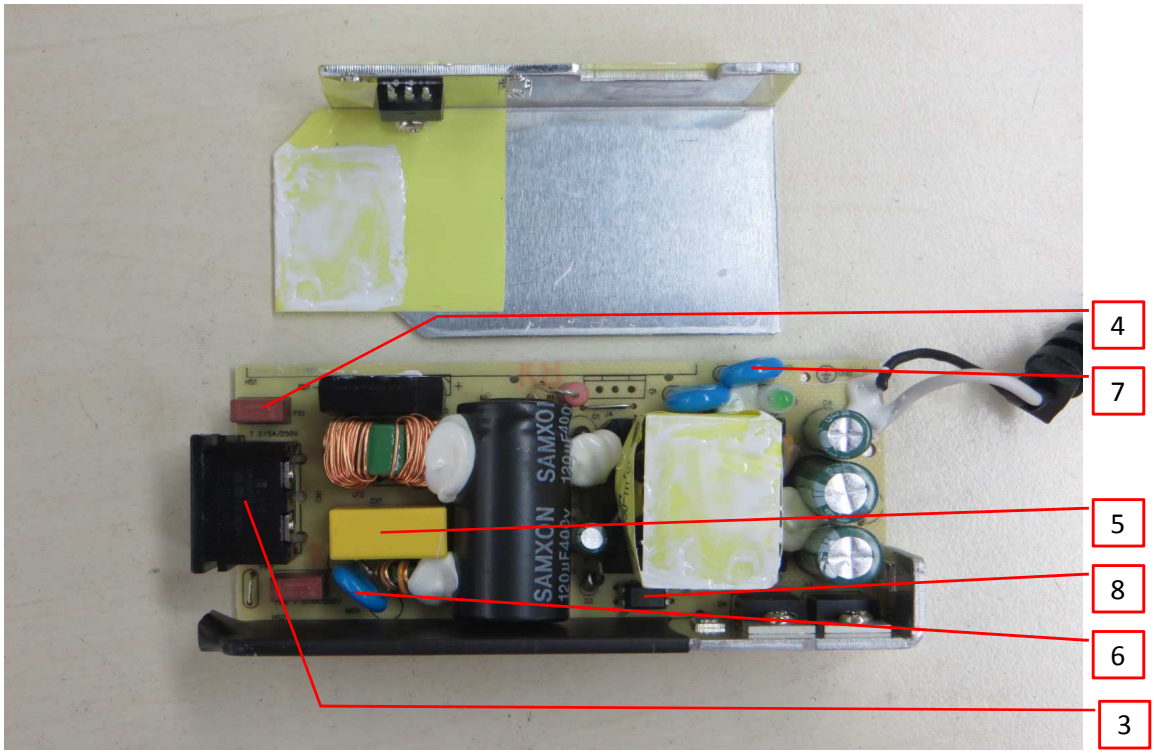
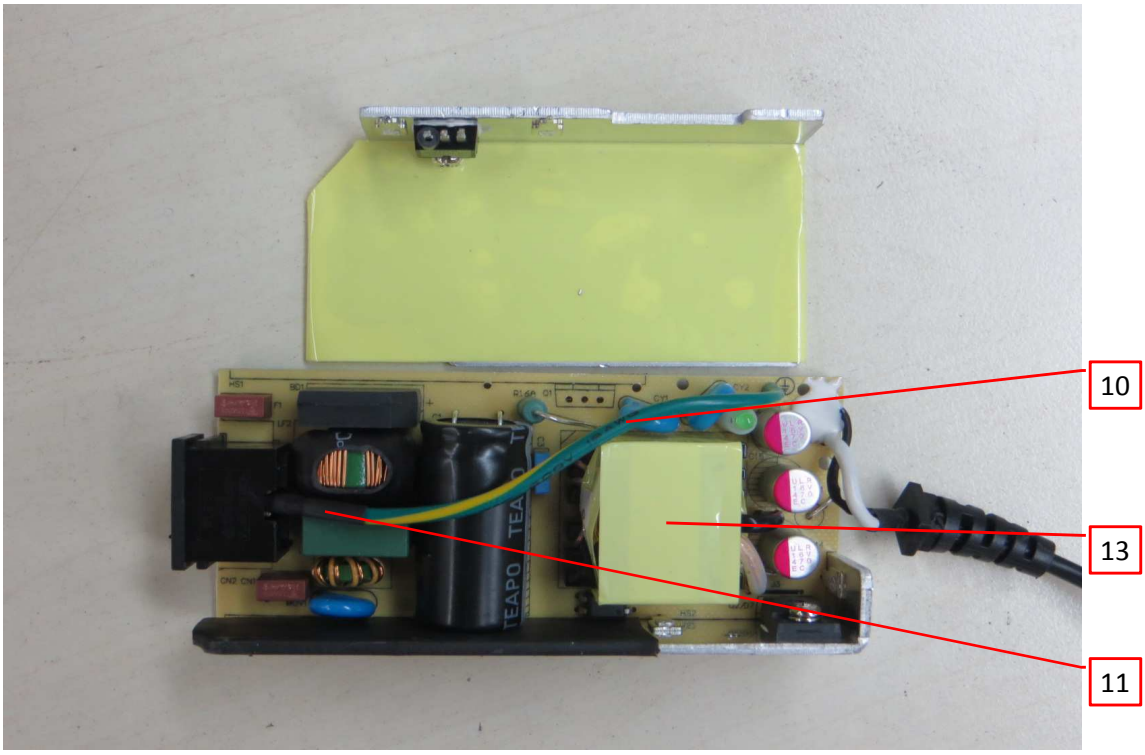
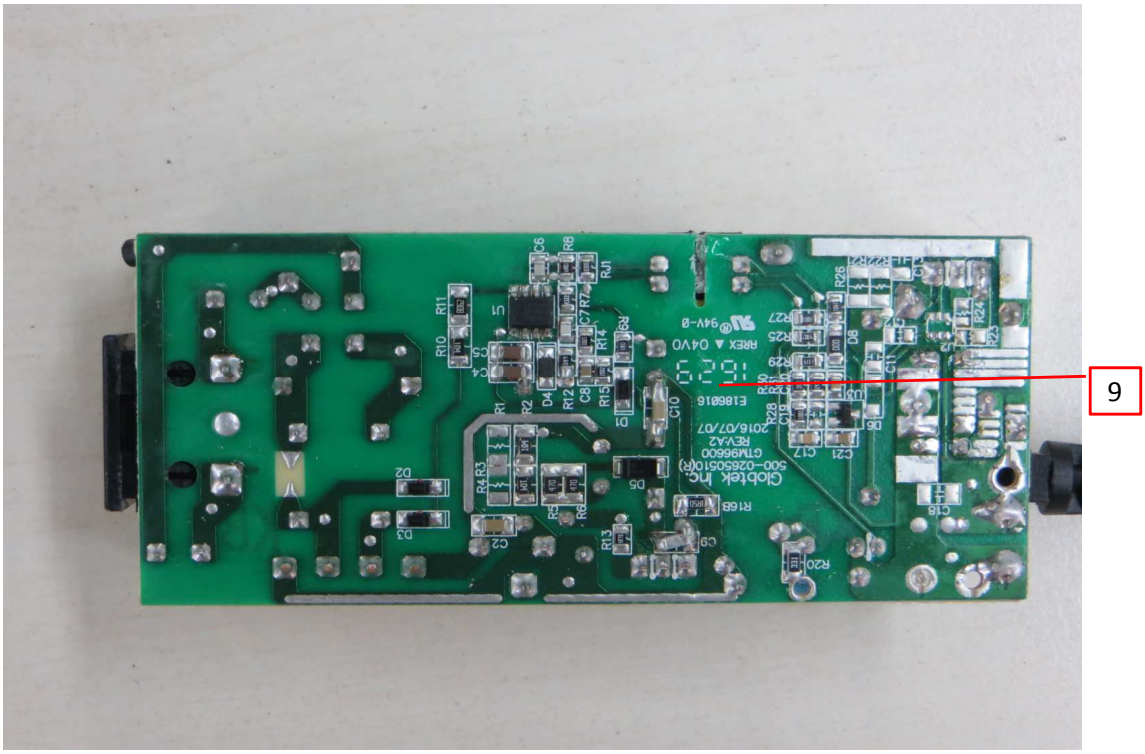


Photo 10 - PCB (Class I)



3.0 Product Photographs

Photo 11 - PCB (Class I and Class II)



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]
2	1	Enclosure (All models)	SABIC INNOVATIVE PLASTICS B V	SE1	PPE+PS, V-1, HWI 1, HAI 2, 105°C , min thickness: 2.0mm; Fixed by ultrasonic welding and without opening;	cURus
				SE1X	PPE+PS, V-1, HWI 0, HAI 0, 105°C , min thickness: 2.0mm; Fixed by ultrasonic welding and without opening;	
				SE100	PPE+PS, V-1, HWI 2, HAI 0, 95°C , min thickness: 2.0mm; Fixed by ultrasonic welding and without opening;	
				C2950	PC/ABS, V-0, HWI 3, HAI 0, 85°C , min thickness: 2.0mm; Fixed by ultrasonic welding and without opening;	
				EXCY0098	PC/ABS, V-0, 5VB, HWI 2, HAI 0, 90°C , min thickness: 2.0mm; Fixed by ultrasonic welding and without opening;	
				CX721		
				940	PC, V-0, HWI 3, HAI 3, 120°C, min thickness: 2.0mm; Fixed by ultrasonic welding and without opening;	
				945		
				HF500R	PC, V-0, HWI 1, HAI 3, 115°C , min thickness: 2.0mm; Fixed by ultrasonic welding and without opening;	
			TEIJIN CHEMICALS LTD	LN-1250P	PC, V-0, HWI 3, HAI 0, 115°C , min thickness: 2.0mm; Fixed by ultrasonic welding and without opening;	cURus
				LN-1250G		
			CHI MEI CORPORATION	PA-765A	ABS, V-0, 5VB, HWI 3, HAI 0, 80°C , min thickness: 2.0mm; Fixed by ultrasonic welding and without opening;	cURus
				PC-540	PC/ABS, V-0, HWI 3, HAI 3, 70°C , min thickness: 2.0mm; Fixed by ultrasonic welding and without opening;	cURus
2	2	Output cord	Various	1185	Min. 24AWG, min. 300Vac, min. 80°C	cURus
				2464		
				2468		
			Various	Various	Min. 24AWG, min. 300Vac, min. 80°C, performance parameter shall be equal to 1185, 2464 or 2468.	cURus
			ZHEJIANG LECI ELECTRONICS CO LTD	DB-6	250VAC, 2.5A, standard sheet C6 type	cURus
				DB-8	250VAC, 2.5A, standard sheet C8 type	cURus
				DB-14	250VAC, 10A, standard sheet C14 type	cURus
				R-30790	250VAC, 2.5A, standard sheet C6 type	cURus

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Photo #	Item no.[1]	Name	Manufacturer/ trademark[2]	Type / model[2]	Technical data and securement means	Mark(s) of conformity[3]
9	3	Appliance inlet	RICH BAY CO LTD	R-201SN90	250VAC, 2.5A, standard sheet C8 type	cURus
				R-301SN	250VAC, 10A, standard sheet C14 type	cURus
			SUN FAIR ELECTRIC WIRE & CABLE (HK) CO LTD	S-02	250VAC, 2.5A, standard sheet C6 type	cURus
				S-01	250VAC, 2.5A, standard sheet C8 type	cURus
				S-03	250VAC, 10A, standard sheet C14 type	cURus
			TECX-UNIONS TECHNOLOGY CORP	TU-333	250VAC, 2.5A, standard sheet C6 type	cURus
				SO-222	250VAC, 2.5A, standard sheet C8 type	cURus
				TU-301-S	250VAC, 10A, standard sheet C14 type	cURus
				TU-301-SP		cURus
			RONG FENG INDUSTRIAL CO LTD	RF-190	250VAC, 2.5A, standard sheet C6 type	cURus
				RF-180	250VAC, 2.5A, standard sheet C8 type	cURus
				SS-120	250VAC, 10A, standard sheet C14 type	cURus
				SS-120A	250VAC, 10A, standard sheet C18 type	cURus
			INALWAYS CORP	0724	250VAC, 2.5A, standard sheet C6 type	cURus
				0721	250VAC, 2.5A, standard sheet C8 type	cURus
				0711	250VAC, 10A, standard sheet C14 type	cURus
			ZHE JIANG BEI ER JIA ELECTRONIC CO LTD	ST-A04-002	250VAC, 2.5A, standard sheet C6 type	cURus
				ST-A03-005	250VAC, 2.5A, standard sheet C8 type	cURus
				ST-A01-003J	250VAC, 10A, standard sheet C14 type	cURus
			SHENZHEN DELIKANG ELECTRONICS TECHNOLOGY CO LTD	CDJ-2	250VAC, 2.5A, standard sheet C6 type	cURus
				CDJ-8	250VAC, 2.5A, standard sheet C8 type	cURus
			CONQUER ELECTRONICS CO LTD	MST series	T3.15A, 250V	cURus
			EVER ISLAND ELECTRIC CO LTD & WALTER ELECTRIC	2010	T3.15A, 250V	cURus
				ICP		cURus
			BEL FUSE INC	RST series	T3.15A, 250V	cURus
			COOPER BUSSMANN LLC	SS-5	T3.15A, 250V	cURus

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Photo #	Item no.[1]	Name	Manufacturer/ trademark[2]	Type / model[2]	Technical data and securement means	Mark(s) of conformity [3]
9	4	Fuse (F1, F2) (F2 is optional)	SHENZHEN LANSON ELECTRONICS CO LTD	SMT	T3.15A, 250V	cURus
			DAS & SONS INTERNATIONAL LTD	385T series	T3.15A, 250V	cURus
			DONGGUAN BETTER ELECTRONICS TECHNOLOGY CO LTD	932	T3.15A, 250V	cURus
			HOLLYLAND CO LTD	5ET	T3.15A, 250V	cURus
			SUNNY EAST ENTERPRISE CO LTD	CFD series	T3.15A, 250V	cURus
			CONQUER ELECTRONICS CO LTD	MET series	T3.15A, 250V	cURus
			ZHONG SHAN LANBAO ELECTRICAL APPLIANCES CO LTD	RTI-10 series	T3.15A, 250V	cURus
9	5	X capacitor (CX1) (Optional)	CHENG TUNG INDUSTRIAL CO LTD	CTX	Min. 300VAC, Max. 0.47µF, -40~+110°C, X1 or X2	cURus
			TENTA ELECTRIC INDUSTRIAL CO LTD	MEX	Min. 250VAC, Max. 0.47µF, -40~+100°C, X1 or X2	cURus
			JOEY ELECTRONICS (DONG GUAN) CO LTD	MPX	Min. 300VAC, Max. 0.47µF, -40~+110°C, X1 or X2	cURus
			ULTRA TECH XIPHI ENTERPRISE CO LTD	HQX	Min. 250VAC, Max. 0.47µF, -40~+110°C, X2	cURus
			YUON YU ELECTRONICS CO LTD	MPX Series	Min. 250VAC, Max. 0.47µF, -40~+100°C, X2	cURus
			SINHUA ELECTRONICS (HUZHOU) CO LTD	MPX	Min. 250VAC, Max. 0.47µF, -40~+110°C, X1 or X2	cURus
			JIANGSU XINGHUA HUAYU ELECTRONICS CO LTD	MPX	Min. 250VAC, Max. 0.47µF, -40~+100°C, X2	cURus
			DAIN ELECTRONICS CO LTD	MPX	Min. 250VAC, Max. 0.47µF, -40~+110°C, X1 or X2	cURus
				MEX		cURus
				NPX		cURus

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Photo #	Item no.[1]	Name	Manufacturer/ trademark[2]	Type / model[2]	Technical data and securement means	Mark(s) of conformity[3]
			FOSHAN SHUNDE CHUANG GE ELECTRONIC INDUSTRIAL CO LTD	MKP-X2	Min. 250VAC, Max. 0.47µF, -40~+105°C, X2	cURus
			OKAYA ELECTRIC INDUSTRIES CO LTD	RE Series	Min. 275VAC, Max. 0.47µF, -40~+100°C, X2	cURus
			VISHAY CAPACITORS BELGIUM N V	F1772	Min. 310VAC, Max. 0.47µF, -40~+110°C, X2	cURus
			WINDAY ELECTRONIC INDUSTRIAL CO LTD	MPX	Min. 250VAC, Max. 0.47µF, -40~+100°C, X2	cURus
			SHENZHEN JINGHAO CAPACITOR CO LTD	CBB62B	Min. 250VAC, Max. 0.47µF, -40~+110°C, X2	cURus
9	6	Varistor MOV1 (Optional)	THINKING ELECTRONIC INDUSTRIAL CO LTD	TVR10471K	Max. Continuous voltage: min 300Vac(rms), 85°C	cURus
				TVR14471K		cURus
			CENTRA SCIENCE CORP	CNR-10D471K	Max. Continuous voltage: min 300Vac(rms), 105°C	cURus
				CNR-14D471K		cURus
			SUCCESS ELECTRONICS CO LTD	SVR10D471K	Max. Continuous voltage: min 300Vac(rms), 105°C	cURus
				SVR14D471K		cURus
			WALSIN TECHNOLOGY CORP	VZ14D471K	Max. Continuous voltage: min 300Vac(rms), 85°C	cURus
			LIEN SHUN ELECTRONICS CO LTD	14D471K	Max. Continuous voltage: min 300Vac(rms), 105°C	cURus
			CERAMATE TECHNICAL CO LTD	10D471K	Max. Continuous voltage: min 300Vac(rms), 105°C	cURus
				14D471K		cURus
			BRIGHTKING (SHENZHEN) CO LTD	14D471K	Max. Continuous voltage: min 300Vac(rms), 105°C	cURus
				10D471K		cURus
			JOYIN CO LTD	10N471K	Max. Continuous voltage: min 300Vac(rms), 85°C	cURus
				14N471K		cURus
			TDK CORPORATION	CD	Y1, AC250V, max 2200pF, -25~+85°C	cURus
			SUCCESS ELECTRONICS CO LTD	SE	Y1, AC250V, max 2200pF, -40~+125°C	cURus
				SB		cURus
			MURATA MFG CO LTD	KX	Y1, AC250V, max 2200pF, -40~+125°C	cURus

4.0 Critical Components

Photo #	Item no.[1]	Name	Manufacturer/ trademark[2]	Type / model[2]	Technical data and securement means	Mark(s) of conformity[3]
9	7	Y capacitor (CY1, CY2) (Optional)	WALSIN TECHNOLOGY CORP	AH series	Y1, AC250V, max 2200pF, -40~+125°C	cURus
			JYA-NAY CO LTD	JN	Y1, AC250V, max 2200pF, -25~+125°C	cURus
			HAOHUA ELECTRONIC CO	CT7	Y1, AC250V, max 2200pF, -30~+125°C	cURus
			JERRO ELECTRONICS CORP	JX	Y1, AC250V, max 2200pF, -40~+125°C	cURus
			WELSON INDUSTRIAL CO LTD	WD	Y1, AC250V, max 2200pF, -55~+125°C	cURus
			JYH CHUNG ELECTRONICS CO LTD	JD	Y1, AC400V, max 2200pF, -40~+85°C	cURus
9	8	Photo coupler (U4)	EVERLIGHT ELECTRONICS CO LTD	EL817	Double protection optical isolators, providing 5000 vac isolation	cURus
			COSMO ELECTRONICS CORP	K1010	Double protection optical isolators, providing 5000 vac isolation	cURus
				KP1010		cURus
			LITE-ON TECHNOLOGY CORP	LTV-817	Double protection optical isolators having an isolation voltage of 5300 Vrms	cURus
			FAIRCHILD SEMICONDUCTOR CORP	H11A817B	Double Protection Optical isolators, providing 5000 vac isolation	cURus
				FOD817B		cURus
			SHARP CORP ELECTRONIC COMPONENTS AND DEVICES BU	PC817	Double protection optical isolated switches, providing 5000 Vac isolation	cURus
			BRIGHT LED ELECTRONICS CORP	BPC-817 A/B/C/D/L	Optical isolators, double protection isolation	cURus
				BPC-817M		cURus
				BPC-817S		cURus
			TOSHIBA CORP, SEMICONDUCTOR CO DISCRETE SEMICONDUCTOR DIV	TLP781F	Optical isolators, double protection type, rated 5000 Vac	cURus
			WALEX ELECTRONIC (WUXI) CO LTD	T2	Min. 1.6 mm thickness, min. V-0, 130°C	cURus
				T2A		
				T2B		
				T4		
			DONGGUAN HE TONG ELECTRONICS CO LTD	CEM1	Min. 1.6 mm thickness, min. V-0, 130°C	cURus
				2V0		
				FR4		
			CHEERFUL ELECTRONIC (HK) LTD	02	Min. 1.6 mm thickness, min. V-0, 130°C	cURus
				03		
				03A		

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Photo #	Item no.[1]	Name	Manufacturer/ trademark[2]	Type / model[2]	Technical data and securement means	Mark(s) of conformity[3]
11	9	PCB	DONGGUAN DAYSUN ELECTRONIC CO LTD	DS2	Min. 1.6 mm thickness, min. V-0, 130°C	cURus
			SUZHOU CITY YILIHUA ELECTRONICS CO LTD	YLH-1	Min. 1.6 mm thickness, min. V-0, 130°C	cURus
			SHANGHAI AREX PRECISION ELECTRONIC CO LTD	04V0	Min. 1.6 mm thickness, min. V-0, 130°C	cURus
				02V0		
			BRITE PLUS ELECTRONICS (SUZHOU) CO LTD	DKV0-3A	Min. 1.6 mm thickness, min. V-0, 130°C	cURus
				DGV0-3A		
			KUOTIANG ENT LTD	C-2	Min. 1.6 mm thickness, min. V-0, 130°C	cURus
				C-2A		
			PACIFIC WIN INDUSTRIAL LTD	PW-02	Min. 1.6 mm thickness, min. V-0, 130°C	cURus
				PW-03		
			SHENZHEN TONGCHUANGXIN ELECTRONICS CO LTD	TCX	Min. 1.6 mm thickness, min. V-0, 130°C	cURus
			YUANMAN PRINTED CIRCUIT CO LTD	1V0	Min. 1.6 mm thickness, min. V-0, 130°C	cURus
			SUZHOU XINKE ELECTRONICS CO LTD	XK-2	Min. 1.6 mm thickness, min. V-0, 130°C	cURus
				XK-3		
			KUNSHAN CITY HUA SHENG CIRCUIT BOARD CO LTD	HS-S	Min. 1.6 mm thickness, min. V-0, 130°C	cURus
			JIANGSU DIFEIDA ELECTRONICS CO LTD	DFD-1	Min. 1.6 mm thickness, min. V-0, 130°C	cURus
			HUIZHOU SHUNJIA ELECTRONICS CO LTD	SJ-B	Min. 1.6 mm thickness, min. V-0, 130°C	cURus
			Various	Various	Min. 1.6 mm thickness, min. V-0, 130°C, Fully comply with UL 796	cURus
			KUNSHAN NEW ZHICHENG ELECTRONICS TECHNOLOGIES CO LTD	1015	Min. 20 AWG, Min. 300V, Min. 80°C	cURus
				1007		
				1185		
			ZHUANG SHAN CHUAN ELECTRICAL PRODUCTS (KUNSHAN) CO LTD	1015	Min. 20 AWG, Min. 300V, Min. 80°C	cURus
				1007		
				1185		

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Photo #	Item no.[1]	Name	Manufacturer/ trademark[2]	Type / model[2]	Technical data and securement means	Mark(s) of conformity[3]
10	10	Earthing wire for Class I models	DONGGUAN CHUANTAI WIRE PRODUCTS CO LTD	1015	Min. 20 AWG, Min. 300V, Min. 80°C	cURus
				1007		
				1185		
			YONG HAO ELECTRICAL INDUSTRY CO LTD	1015	Min. 20 AWG, Min. 300V, Min. 80°C	cURus
				1007		
				1185		
			DONGGUAN GUNEETAL WIRE & CABLE CO LTD	1015	Min. 20 AWG, Min. 300V, Min. 80°C	cURus
				1007		
				1185		
			SHENG YU ENTERPRISE CO LTD	1015	Min. 20 AWG, Min. 300V, Min. 80°C	cURus
				1007		
				1185		
			KUNSHAN XINGHONGMEN G ELECTRONIC CO LTD	1015	Min. 20 AWG, Min. 300V, Min. 80°C	cURus
				1007		
				1185		
			SUZHOU YEMAO ELECTRONIC CO LTD	1015	Min. 20 AWG, Min. 300V, Min. 80°C	cURus
				1007		
				1185		
			Various	Various	Min. 20 AWG, Min. 300V, Min. 80°C	cURus
10	11	Heat-shrinkable tubing (Optional)	SHENZHEN WOER HEAT-SHRINKABLE MATERIAL CO LTD	RSFR	600V, 125°C	cURus
				RSFR-H		
				RSFR-HPF		
			QIFURUI ELECTRONICS CO	QFR-h	600V, 125°C	cURus
			DONGGUAN SALIPT CO LTD	SALIPT S-901-300	Min. 300V, 125°C	cURus
				SALIPT S-901-600		
			GUANGZHOU KAIHENG ENTERPRISE GROUP	K-2 (+)	Min. 300V, 125°C	cURus
				K-2 (CB)		
			CHANGYUAN ELECTRONICS (SHENZHEN) CO LTD	CB-HFT	Min. 300V, 125°C	cURus
			FORMEX,DIV OF IL TOOL WORKS INC, FRMRLY FASTEX, DIV OF IL TOOL WORKS INC	FORMEX GK series	V-0, min. 0.4 mm thickness, 115°C	cURus
			MIANYANG LONGHUA FILM CO LTD	PP-WT-20	VTM-0, min. 0.4 mm thickness, 65°C	cURus

4.0 Critical Components

Photo #	Item no.[1]	Name	Manufacturer/ trademark[2]	Type / model[2]	Technical data and securement means	Mark(s) of conformity[3]
6	12	Insulating sheet (Optional)	SKC CO LTD	SH71S	VTM-2, min. 0.4 mm thickness, 105°C	cURus
			TORAY INDUSTRIES INC	Lumirror H10	VTM-2, min. 0.4 mm thickness, 105°C	cURus
			SABIC INNOVATIVE PLASTICS US L L C	FR60 series	V-0, min. 0.4 mm thickness, 130°C	cURus
				FR63 series		
				FR65 series		
				FR7 series		
				FR700 series		
			MIANYANG LONGHUA FILM CO LTD	PP-BK series	V-0, min. 0.4 mm thickness, 80°C	cURus
				PP-WT series		
			ITW ELECTRONICS COMPONENTS/ PRODUCTS (SHANGHAI) CO LTD	FORMEX-18	V-0, min. 0.4 mm thickness, 100°C	cURus
				FORMEX-17		
10	13	Transformer (T1)	GlobTek/ BOAM/ HAOPUWEI	TF058	Output voltage range:5.0V-8.9V; Class B with insulation system below.	NR
				TF059	Output voltage range:9.0V-15.0V; Class B with insulation system below.	NR
				TF063	Output voltage range:15.1V-20.0V; Class B with insulation system below.	NR
				TF060	Output voltage range:20.1V-28.0V; Class B with insulation system below.	NR
				TF064	Output voltage range:28.1V-40.0V; Class B with insulation system below.	NR
				TF061	Output voltage range:40.1V-54.0V; Class B with insulation system below.	NR
10	13a	Insulation system (Not shown)			Class B	cURus
			GLOBTEK INC	GTX-130-TM	Class B	cURus
			SHAN DONG BOAM ELECTRIC CO LTD	BOAM-01	Class B	cURus
			WUXI HAOPUWEI ELECTRONICS CO LTD	ZT-130	Class B	cURus
10	13b	Bobbin (Not shown)	CHANG CHUN PLASTICS CO LTD	T375J	V-0, 150°C, thickness 0,45 mm min.	cURus
				T375HF		cURus
				4130	V-0, 140°C, thickness 0,74 mm min.	cURus
			SUMITOMO BAKELITE CO LTD	PM-9820	V-0, 150°C, thickness 0,45 mm min.	cURus

4.0 Critical Components						
Photo #	Item no.[1]	Name	Manufacturer/ trademark[2]	Type / model[2]	Technical data and securement means	Mark(s) of conformity[3]
			HITACHI CHEMICAL CO LTD	CP-J-8800	V-0, 150°C, thickness 0,45 mm min.	cURus
10	13c	Magnet wire (Not shown)	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD	UEWN/U	MW28-C, 130°C	cURus
				UEWS/U	MW75-C, 130°C	cURus
			JUNG SHING WIRE CO LTD	UEW-4	MW75-C, 130°C	cURus
				UEY-2	MW28-C, 130°C	cURus
			JIANGSU HONGLIU MAGNET WIRE TECHNOLOGY CO LTD	2UEW/130	MW75-C, 130°C	cURus
			CHANGZHOU DAYANG WIRE & CABLE CO LTD	2UEW/130	MW75-C, 130°C	cURus
			WUXI JUFENG COMPOUND LINE CO LTD	2UEWB	MW75#, 130°C	cURus
			JIANGSU DARTONG M & E CO LTD	UEW	MW75-C, 130°C	cURus
			SHANDONG SAINT ELECTRIC CO LTD	UEW/130	MW75#, 130°C	cURus
			ZHEJIANG LANGLI ELECTRIC EQUIPMENTS CO LTD	UEW	MW79#, 130°C	cURus
10	13d	Triple-insulated wire (Not shown)	GREAT LEOFLON INDUSTRIAL CO LTD	TRW(B)	Reinforced Insulation, rated 130°C (Class B), 1.41 kVolts peak for Information Technology;	cURus
			COSMOLINK CO LTD	TIW-M(B)	Reinforced Insulation, rated 130°C (Class B), 1.41 kVolts peak for Information Technology;	cURus
			FURUKAWA ELECTRIC CO LTD	TEX-E	Reinforced Insulation, rated 130°C (Class B), 1.41 kVolts peak for Information Technology;	cURus
			TOTOKU ELECTRIC CO LTD	TIW-2	Reinforced Insulation, rated 130°C (Class B), 1.40 kVolts peak for Information Technology;	cURus
			E&B TECHNOLOGY CO LTD	E&B-XXXB	Reinforced Insulation, rated 130°C (Class B), 1.40 kVolts peak for Information Technology;	cURus
				E&B-XXXB-1		cURus
			CHANGYUAN ELECTRONICS (SHENZHEN) CO LTD	CB-TIW	Reinforced Insulation, rated 130°C (Class B), 1.41 kVolts peak for Information Technology;	cURus

4.0 Critical Components						
Photo #	Item no.[1]	Name	Manufacturer/ trademark[2]	Type / model[2]	Technical data and securement means	Mark(s) of conformity[3]
			SHENZHEN JIUDING NEW MATERIAL CO LTD	DTIW-B	Reinforced Insulation, rated 130°C (Class B), 1.40 kVolts peak for Information Technology;	cURus
10	13e	Insulating tape (Not shown)	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	1350F-1	130°C	cURus
				1350T-1		
				44		
			BONDTEC PACIFIC CO LTD	370S	130°C	cURus
			JINGJIANG YAHUA PRESSURE SENSITIVE GLUE CO LTD	PZ	130°C	cURus
				CT		
				WF		
			JINGJIANG JINGYI ADHESIVE PRODUCT CO LTD	JY25-A	130°C	cURus
			CHANG SHU LIANG YI TAPE INDUSTRY CO LTD	LY-XX	130°C	cURus
10	13f	PTFE tubing (Not shown)	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
1	14	Adhesive-Type Label (Not shown)	DONGGUAN XIANGQUAN PRINTING CO LTD	XQ03	Temperature range: -40~+80°C;	cURus
			FAN JA PAPER PRINTING CO LTD	FJ-03-3	Temperature range: -40~+80°C;	cURus
				FJ07		cURus
			E-LIN ADHESIVE LABEL CO LTD	EL-15	Temperature range: -40~+80°C;	cURus
			SHENZHEN CORWIN PRINTING CO LTD	CW-01	Temperature range: -40~+80°C;	cURus
			YUEN CHANG SPECIAL PRINTING (SHENZHEN) CO LTD	JL-08	Temperature range: 0~+80°C;	cURus

4.0 Critical Components

Photo #	Item no.[1]	Name	Manufacturer/ trademark[2]	Type / model[2]	Technical data and securement means	Mark(s) of conformity[3]
			GlobTek	Various	Permanently secured Engraving or Silkscreen or Laser printing	NR
			Various	Various	Temperature range: min. -40 ~+80°C; Certified according UL 969.	cURus

NOTES:
1) Not all item numbers are indicated (called out) in the photos, as their location is obvious.
2) “Various“ means any type, from any manufacturer that complies with the "Technical data and securement means" and meets the "Mark(s) of conformity" can be used.
3) Indicates specific marks to be verified, which assures the agreed level of surveillance for the component. "NR" - indicates Unlisted and only visual examination is necessary. "See 5.0" indicates Unlisted components or assemblies to be evaluated periodically refer to section 5.0 for details.

5.0 Critical Unlisted CEC Components
No Unlisted CEC components are used in this report.

6.0 Critical Features

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

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

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

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

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

1. Spacing - In primary circuits, 4.8 mm minimum spacing are maintained through air and over surfaces of insulating material between current-carrying parts of opposite polarity and 4.8 mm minimum between such current-carrying parts and low voltage isolated circuits.
2. Mechanical Assembly - Components such as switches, fuseholders, connectors, wiring terminals and display lamps are mounted and prevented from shifting or rotating by the use of lockwashers, starwashers, or other mounting format that prevents turning of the component.
3. Corrosion Protection - All ferrous metal parts are protected against corrosion by painting, plating or the equivalent.
4. Accessibility of Live Parts - 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 provided with a polarized power supply connection. All single pole switches and fuses are connected only to the ungrounded supply circuit conductor.
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 pointswhere internal wiring passes through metal walls or partitions, the wiring insulation is protected against abrasion or damage by plastic bushings or grommets. UL approved wiring is used as secondary output lead wire of SELV circuits and earthing wire for Class I models. All wiring is minimum 24 AWG, with a minimum rating of 300V, 80°C.
8. Schematics - Refer to Illustration No(s). 2, 3 for schematics & PCB layout requiring verification during Field Representative Inspection Audits.
9. Markings - The product is marked as follows: brand name, model number, electrical ratings, manufacturer. Refer to Illustration No. 4 for details.
10. Cautionary Markings - Refer to illustrations No. 4 for details.
11. Safety Instructions - Instructions for installation and use of this product are provided by the manufacturer. They are kept in file and need not be repeated here.

7.0 Illustrations

Illustration 1 - Model list

GT*96600--T2/T2A/T3/T3A/T2L/T2AL/T3L/T3AL* Desktop models**

Model	Output Voltage	Max. output current	Max. output power
GT*96600-**-T2/T2A/T3/T3A/T2L/T2AL/T3L/T3AL*	5-8V	5A	40W
GT*96600-**-T2/T2A/T3/T3A/T2L/T2AL/T3L/T3AL*	8.1-54V	5A	60W

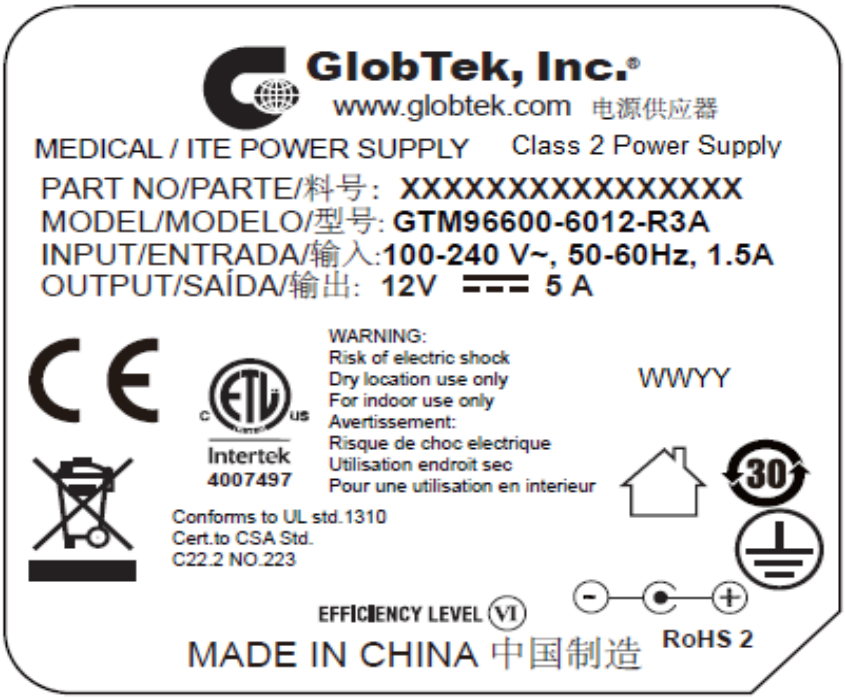
GT*96600--R2/R3A* External/Hybrid models**

Model	Output Voltage	Max. output current	Max. output power
GT*96600-**-R2/R3A*	5-8V	5A	40W
GT*96600-**-R2/R3A*	8.1-54V	5A	60W

For models GTM96600-2005-R2 / GTM96600-2005-R3A: output 5VDC, 4.0A at Tma=70 Deg.C;
For models GTM96600-2412-R2 / GTM96600-2412-R3A: output 12VDC, 2.0A at Tma=70 Deg.C;
For models GTM96600-2436-R2 / GTM96600-2436-R3A: output 36VDC, 0.66A at Tma=70 Deg.C;
For models GTM96600-2448-R2 / GTM96600-2448-R3A: output 48VDC, 0.5A at Tma=70 Deg.C;
For models GTM96600-2454-R2 / GTM96600-2454-R3A: output 54VDC, 0.44A at Tma=70 Deg.C;

7.0 Illustrations

Illustration 4 - Marking



Note:
1. The marking plates of the other models listed in this report are identical with below except model name and output parameter.
2. The date code of manufacturing is presented as WWYY, YY = manufacturing year, WW = the week of the manufacturing year, e.g. 0216 = The second week of 2016.

8.0 Test Summary					
Evaluation Period	29-Jul-2016 to 21-Sep-2016			Project No.	160900318SHA
Sample Rec. Date	29-Jul-2016	Condition	Prototype	Sample ID.	0160729-41-001~035
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	Class 2 Power Units [UL 1310:2011 Ed.6 +R:12Dec2014]	Power Supplies With Extra-Low Voltage Class 2 Outputs [CSA C22.2 No.223:2015 Ed.3]	Polymeric Materials - Use In Electrical Equipment Evaluations [UL 746C:2004 Ed.6 +R:18Jul2016]
Plug Discharge and Plug Energy Stored Test	-	4.6.2.7	-
Leakage Current Test	26	6.6	-
Leakage Current Test and Dielectric Voltage Withstand Test After Humidity Exposure	27	-	-
Maximum Output Voltage Test	28	6.3.1	-
Maximum Input Test	29	6.3.2	-
Output Current and Power Test	30	6.3.4	-
Full-Load Output Current Test	32	6.3.3	-
Normal Temperature Test	33	6.4	-
Dielectric Voltage-Withstand Test	34	6.5	-
Abnormal Tests	39	6.8	-
Tests on Insulating Materials	40	4.9	-
Strain Relief	41	-	-
Push-Back Relief	42	-	-
Direct Plug-In Blade Secureness Test	43	-	-
Direct Plug-In Security of Input Contacts Test	44.1	-	-
Abuse Tests	46	-	-
Secondary Circuit Protection	-	6.7	-
Drop and Impact	-	6.9	-
Strain Relief and Blade Retention	-	6.10	-
Securement of components	-	6.12	-
Insulating Material	-	6.14	-
Deformation (non-metallic enclosures)	-	6.16	-
Mold-Stress Relief Distortion	-	-	29
Strain Relief Test after Mold-Stress Relief Distortion	-	-	31

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:	Albert Zhou	Signature:	Will Wang

9.0 Correlation Page For Multiple Listings

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

BASIC LISTEE	GlobTek, Inc.
Address	186 Veterans Dr. Northvale, NJ 07647 USA
Country	USA
Product	Class 2 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. Dansy Xu Sample Disposition: Due to the destructive nature of the testing, all samples will be discarded at the conclusion of testing unless, the manufacturer specifically requests the return of the samples. The request for return must accompany the initial component shipment.

11.0 Manufacturing and Production Tests

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

Required Tests

Dielectric Voltage Withstand Test

11.1 Dielectric Voltage Withstand Test

Method

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

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

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

Test Equipment

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

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

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

1 - a voltmeter in the primary circuit;

2 - a selector switch marked to indicate the test potential; or

3 - a marking in a readily visible location to indicate the test potential for test equipment having a single test potential output.

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

Products Requiring Dielectric Voltage Withstand Test:

Product	Test Voltage	Test Time
Between L/N and secondary output	3000Vac	1 s

12.0 Revision Summary

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

Date/ Proj # Site ID	Project Handler/ Reviewer	Section	Item	Description of Change
				None