

RECOGNIZED COMPONENT Constructional Data Report (CDR)

1.0 Reference a	1.0 Reference and Address								
Report Number	200300442SHA-002 Orig	ginal Issued:	14-Dec-2020	Revised: None					
Standard(s)	Audio/Video, Information And Requirements [UL 62368-1:20 Audio/Video, Information and Requirements (R2019) [CSA	Audio/Video, Information And Communication Technology Equipment - Part 1: Safety Requirements [UL 62368-1:2014 Ed.2] Audio/Video, Information and Communication Technology Equipment - Part 1: Safety Requirements (R2019) [CSA C22.2#62368-1:2014 Ed.2]							
Applicant	<u>GlobTek, Inc.</u>		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					
Country	USA		Country	China					
Contact	Mike Krakovyak		Contact	Demon Zhou					
Phone	(201)784-1000 Ext.106		Phone	86 512 6279 0301 Ext.189					
FAX	(201)784-0111		FAX	86 512 6279 0355					
Email	Krakovyakm@globtek.us		Email	demon.zhou@globtek.cn					

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2.0 Product Description

ICT/ITE Power Supply Product GlobTek, Inc. Brand name (image only) Products covered by this report are power supply modules and were tested under 50°C ambient. The power supplies which have an output current rating of 6A or less are all rated for Limited Power Source (LPS) application. Open Frame power supply is not provided with external Description enclosure. The product is not intended to use in the environment which altitude exceed 5000m. The installation and use for the insulation construction shall be finally determined in the end product. GT followed by M, - or H; followed by 96700-; followed by B or C; followed by 01 to 70; followed by 05 to 56; followed by -F or -FW; may be followed by six characters. Models GT followed by M, - or H; followed by 96700-; followed by B or C; followed by 01 to 70; followed by 5.0 to 56.0; followed by -F or -FW; may be followed by six characters. GT*96700-***** The 1st "*" part can be 'M' or '-' or 'H' for market identification and not related to safety. The 2nd "*" can be B or C, denotes different PCB size, B=2"x4", C=3"x5" The 3rd "*" can be "01" to "70", denotes the rated output wattage designation from 1W to 70W, with interval of 1W. The 4th"*" can be "05" to "56" or "5.0" to "56.0", denote the standard rated output voltage designation from 5.0V to 56.0V, with interval of 0.1V. The 5th "*" can be -F or -FW, -F means Class I, -FW means Class II. Model Similarity The last "*" denote any six character = 0-9 or A-Z or ()[] or – or blank for marketing purposes. Transformers used in all models are with same construction. The turns of secondary winding may be added or reduced according different output voltage. All models have the same PCB layout, but some non-critical components may be adjusted according different output voltage. The parameters of these components depend on output voltage. The differences between models followed by -F or -FW are the earthing wire for functional earth and the parameter of Y capacitors. All models can meet the input rating 100-240VAC and 100-277VAC. Input:100-240V~ or 100-277V~, 50-60Hz or 50/60Hz, 2.0A Ratings Output: 5.0-56.0VDC, Max. 8.00A, Max. 70W See section 7.0, Illustration 1 for details Maximum ambient temperature is 50°C. Other Ratings The products covered in this Report are incomplete in construction features or limited in performance capabilities and are intended for use and evaluation in other products. Consideration should be given to the following when the component is used in or with another product. 1. The power supply shall be installed in compliance with the enclosure, mounting, spacing, casualty and segregation requirements of the ultimate application. 2. Temperature testing and abnormal operating condition were performed on this component while full load from either one of the branch circuit outlets. They should be double checked when installed in the end product. 3. Mechanical Abuse testing for the enclosure was not conducted and should be considered in the end use. Conditions of 4. The products were not intend to be used in maximum recommended ambient exceed of 50°C. Acceptability The power supply model GTM96700-B3005-F* which has an output rating half load 5VDC, 3A complies with de-rating test under 85°C ambient. 5. Leakage current test and all dielectric voltage withstand test were performed only on the potion of built-in power supply, the other part of tests should be double evaluated about whether performed or not in the end product according to relevant standrad for end product. 6. For built-in power supply, the suitable wiring and terminals shall be adopted according manufacturer's specification and shall be evaluated in end product. 7. Further evaluation at the ultimate application is considered necessary: Enclosure (IP class), working voltage, dielectric strength, protection grounding and bonding, leakage current, strain

relief, resistant to moisture, cautionary and warning marking, instruction.

Photo 1 - Front view



Photo 2 - Back view



Photo 3 - PCB view for type B



Photo 4 - PCB view for type B



Photo 5 - PCB view for type C



Photo 6 - PCB view for type C



Photo 7 - Transformer



Photo 8 - Transformer



Photo 9 - Transformer



Photo 10 - Transformer



Photo 11 - Transformer



Photo 12 - Transformer



4.0 0	.0 Critical Components							
Photo #	Item no. ¹	Name	Manufacturer/ trademark ²	Type / model ²	Technical data and securement means	Mark(s) of conformity ³		
				Т4	Min.1.6 mm thickness, min. V-0,	cURus		
			(WUXI) CO LTD	Т5	130°C	cURus		
			SHUANG MING	T005V0	Min.1.6 mm thickness, min. V-0, 130°C	cURus		
			LTD	T015V0		cURus		
		PCB	SHANGHAI H- FAST ELECTRONICS CO LTD	211001	Min.1.6 mm thickness, min. V-0, 130°C	cURus		
2	1		JIANGXI ZHONG XIN HUA ELECTRONICS INDUSTRY CO LTD	ZXH-2	Min.1.6 mm thickness, min. V-0, 130°C	cURus		
			GUANGDE BOYA XINXING ELECTRONIC TECHNOLOGY CO LTD	BY-1	Min.1.6 mm thickness, min. V-0, 130°C	cURus		
			SHENZHEN JIA LI CHUANG TECHNOLOGY DEVELOPMENT CO LTD	JLC-1	Min.1.6 mm thickness, min. V-0, 130℃	cURus		
			Various	Various	Min.1.6 mm thickness, min. V-0, 130°C; Fully comply with UL 796.	cURus		
			JAPAN SOLDERLESS TERMINAL MFG CO LTD	VA series	Min 240V; Min 7A; Flame class min. V-2;	cURus		
			JOINT TECH ELECTRONIC	A7920 series	Min 250V; Min 7A; Flame class	cURus		
3	2	Input connector	INDUSTRIAL CO LTD	A3960 series	min. V-2;	cURus		
0			NELTRON INDUSTRIAL CO LTD	2114S	Min 240V; Min 1.5A; Flame class min. V-2;	cURus		
			ZHEJIANG HONGXING ELECTRICAL CO LTD	HX396XX-YYY series	Min 250V; Min 5A; Flame class min. V-2;	cURus		

4.0 0	.0 Critical Components							
Photo #	Item no. ¹	Name	Manufacturer/ trademark ²	Type / model ²	Technical data and securement means	Mark(s) of conformity ³		
			CONQUER ELECTRONICS CO LTD	MST series	FS1, FS2: T3.15A, Min. 250VAC	cURus		
			EVER ISLAND ELECTRIC CO LTD & WALTER ELECTRIC	2010	FS1, FS2: T3.15A, Min. 250VAC	cURus		
			BEL FUSE LTD	RST-Serie(s)	FS1, FS2: T3.15A, Min. 250VAC	cURus		
	3	Fuse (FS2 is optional)	DONGGUAN BETTER ELECTRONICS TECHNOLOGY CO LTD	932	FS1, FS2: T3.15A, Min. 250VAC	cURus		
			HOLLYLAND CO LTD	5ET	FS1, FS2: T3.15A, Min. 250VAC	cURus		
3			CONQUER ELECTRONICS CO LTD	MET series	FS1, FS2: T3.15A, Min. 250VAC	cURus		
			SHENZHEN LANSON ELECTRONICS CO LTD	SMT	FS1, FS2: T3.15A, Min. 250VAC	cURus		
			COOPER BUSSMANN LLC	SS-5	FS1, FS2: T3.15A, Min. 250VAC (Only for rated input 100-240VAC)	cURus		
			HOLLYLAND CO LTD	32S-020H	FS1, FS2: T3.15A, Min. 250VAC (Only for rated input 100-240VAC)	cURus		
			CONQUER ELECTRONICS CO LTD	PTP-A	FS1, FS2: T3.15A, Min. 250VAC (Only for rated input 100-240VAC)	cURus		
			ZHONG SHAN LANBAO ELECTRICAL APPLIANCES CO LTD	RTI-10 series	FS1, FS2: T3.15A, Min. 250VAC (Only for rated input 100-240VAC)	cURus		

4.0 0	0 Critical Components						
Photo #	Item no. ¹	Name	Manufacturer/ trademark ²	Type / model ²	Technical data and securement means	Mark(s) of conformity ³	
			CENTRA SCIENCE CORP	CNR-10D471K	MOV1: Max. Continuous voltage:	cURus	
				CNR-14D471K	temperature: -40~+105°C	cURus	
			SUCCESS ELECTRONICS CO LTD	SVR10D471K	MOV1: Max. Continuous voltage: min 300Vac(rms), Operating temperature: -40~+105°C	cURus	
				SVR14D471K		cURus	
				10D471K	MOV1: Max. Continuous voltage:	cURus	
		Varistor (Optional)	CO LTD	14D471K	min 300Vac(rms), Operating temperature: -40~+105°C	cURus	
			CERAMATE TECHNICAL CO LTD	GNR10D471K	MOV1: Max. Continuous voltage: min 300Vac(rms), Operating temperature: -40~+105°C	cURus	
				GNR14D471K		cURus	
4	4		BRIGHTKING (SHENZHEN) CO LTD	14D471K	MOV1: Max. Continuous voltage: min 300Vac(rms), Operating temperature: -40~+105°C	cURus	
				10D471K		cURus	
			THINKING	TVR10471K	MOV1: Max. Continuous voltage: min 300Vac(rms), Operating	cURus	
			ELECTRONIC INDUSTRIAL CO	TVR14471K		cURus	
			LTD	TVR10511K		cURus	
			WALSIN	VZ10D471K	MOV1: Max. Continuous voltage:	cURus	
			CORP	VZ14D471K	temperature: -40~+105°C	cURus	
				10N471K	MOV1: Max. Continuous voltage:	cURus	
				14N471K	temperature: -40~+105°C	cURus	

4.0 0	.0 Critical Components							
Photo #	Item no. ¹	Name	Manufacturer/ trademark ²	Type / model ²	Technical data and securement means	Mark(s) of conformity		
			TENTA ELECTRIC INDUSTRIAL CO LTD	MEX	CX1: Max. 0.47µF, Min. 250V, X1 type, -40°C~+100°C	cURus		
			JOEY ELECTRONICS (DONG GUAN) CO LTD	MPX-X1	CX1: Max. 0.47µF, Min. 300V, X1 type, -40°C~+110°C	cURus		
		X capacitor (Optional)	ULTRA TECH XIPHI ENTERPRISE CO LTD	HQX	CX1: Max. 0.47µF, Min. 250V, X2 type, -40°C~+110°C	cURus		
			XIANGTAI ELECTRONIC(SH ENZHEN) CO LTD	MPX	CX1: Max. 0.47µF, Min. 300V, X2	cURus		
				МКР	type, -40°C~+110°C	cURus		
			CARLI ELECTRONIC CO LTD	MPX	CX1: Max. 0.47µF, Min. 250V, X2 type, -40°C~+100°C	cURus		
3	5		YUON YU ELECTRONICS CO LTD	MPX	CX1: Max. 0.47µF, Min. 250V, X2 type, -40°C~+100°C	cURus		
			SINHUA ELECTRONICS (HUZHOU) CO LTD	MPX	CX1: Max. 0.47µF, Min. 300V, X1 type, -40°C~+110°C	cURus		
			CHENG TUNG INDUSTRIAL CO LTD	СТХ	CX1: Max. 0.47µF, Min. 300V, X1 or X2 type, -40°C~+110°C (Only for rated input 100-240VAC)	cURus		
			DAIN	MEX	CX1: Max. 0.47µF. Min. 250V. X2	cURus		
				MPX	type, $-40^{\circ}C \rightarrow 100^{\circ}C$ (Only for	cURus		
				NPX		cURus		
			JIANGSU XINGHUA HUAYU ELECTRONICS CO LTD	MPX-Series	CX1: Max. 0.47µF, Min. 250V, X2 type, -40°C~+100°C (Only for rated input 100-240VAC)	cURus		

4.0 0	0 Critical Components						
Photo #	Item no.1	Name	Manufacturer/ trademark ²	Type / model ²	Technical data and securement means	Mark(s) of conformity ³	
			TDK CORPORATION	CD	CY1, CY2: Y1 type, min. 250VAC, max. 2200pF (for followed by -FW model series), max. 3300pF (for followed by -F model series), - 25°C~+125°C	cURus	
				SE	CY1, CY2: Y1 type, min. 250VAC, max. 2200pF (for followed by -FW model series) max_3300pF (for	cURus	
			COLTD	SB	followed by -F model series), - 40°C~+125°C	cURus	
		Y capacitor (Optional)	WALSIN TECHNOLOGY CORP	АН	CY1, CY2: Y1 type, min. 250VAC, max. 2200pF (for followed by -FW model series), max. 3300pF (for followed by -F model series), - 40°C~+125°C	cURus	
			HAOHUA ELECTRONIC CO	CT7	CY1, CY2: Y1 type, min. 250VAC, max. 2200pF (for followed by -FW model series), max. 3300pF (for followed by -F model series), - 30°C~+125°C	cURus	
			XIANGTAI ELECTRONIC (SHENZHEN) CO LTD	YO-Series	CY1, CY2: Y1 type, 400VAC, max. 2200pF (for followed by -FW model series), max. 3300pF (for followed by -F model series), -25°C~+125°C	cURus	
3	6		JUHONG ELE COMPANY	JB-Series	CY1, CY2: Y1 type, min. 250VAC, max. 2200pF (for followed by -FW model series), max. 3300pF (for followed by -F model series), - 25°C~+125°C	cURus	
			MURATA MFG CO LTD	кх	CY1, CY2: Y1 type, min. 250VAC, max. 2200pF (for followed by -FW model series), max. 3300pF (for followed by -F model series), - 40°C~+125°C	cURus	
			JYH CHUNG ELECTRONICS CO LTD	JD	CY1, CY2: Y1 type, 400VAC, max. 2200pF (for followed by -FW model series), max. 3300pF (for followed by -F model series), -40°C~+125°C	cURus	
			WELSON INDUSTRIAL CO LTD	WD	CY1, Cy2: Y1 type, min. 250VAC, max. 2200pF (for followed by -FW model series), max. 3300pF (for followed by -F model series), - 55°C~+125°C	cURus	
			SUCCESS ELECTRONICS CO LTD	SF	CY1, CY2: Y1 type, min. 250VAC, max. 2200pF (for followed by -FW model series), max. 3300pF (for followed by -F model series), - 40°C~+125°C	cURus	

4.0 0	.0 Critical Components						
Photo #	Item no.1	Name	Manufacturer/ trademark ²	Type / model ²	Technical data and securement means	Mark(s) of conformity ³	
			EVERLIGHT ELECTRONICS CO LTD	EL1018	U1: Double protection optical	cURus	
				EL817	isolation	cURus	
			COSMO	KT1018	111: Optional inclutore, double	cURus	
4	7	Photo coupler	ELECTRONICS	KT1010	protection type, providing 5000 V	cURus	
			CORPORSTION	KP1010	ac isolation	cURus	
			LITE-ON	LTV-1004	U1: Double protection optical	cURus	
			CORPORATION	LTV-817	voltage of 5300 Vrms	cURus	
			KUNSHAN NEW	1015	Min. 18 AWG, Min. 300V, Min.	cURus	
			ELECTRONICS TECHNOLOGIES	1007	80°C, wrapped with heat	cURus	
				1185	F model series only	cURus	
			ZHUANG SHAN	1015	Min. 18 AWG, Min. 300V, Min. 80°C, wrapped with heat shrinkable tubing. For followed by - F model series only	cURus	
			ELECTRICAL PRODUCTS (KUNSHAN) CO LTD	1007		cURus	
				1185		cURus	
			DONGGUAN CHUANTAI WIRE PRODUCTS CO LTD	1015	Min. 18 AWG, Min. 300V, Min. 80°C, wrapped with heat shrinkable tubing. For followed by - F model series only	cURus	
				1007		cURus	
				1185		cURus	
			YONG HAO	1015	Min. 18 AWG, Min. 300V, Min. 80°C, wrapped with heat shrinkable tubing. For followed by -	cURus	
4	8	Earthing wire	INDUSTRY CO	1007		cURus	
	Ŭ		LTD	1185	F model series only	cURus	
				1015	Min. 18 AWG, Min. 300V, Min.	cURus	
			WIRE & CABLE	1007	shrinkable tubing. For followed by -	cURus	
			COLTD	1185	F model series only	cURus	
			SHENG YU	1015	Min. 18 AWG, Min. 300V, Min.	cURus	
			ENTERPRISE CO	1007	shrinkable tubing. For followed by -	cURus	
			LID	1185	F model series only	cURus	
			KUNSHAN	1015	Min. 18 AWG, Min. 300V, Min.	cURus	
			G ELECTRONIC	1007	shrinkable tubing. For followed by -	cURus	
			COLTD	1185	F model series only	cURus	
			SUZHON YEMAO	1015	Min. 18 AWG, Min. 300V, Min.	cURus	
			ELECTRONIC CO	1007	shrinkable tubing. For followed by -	cURus	
			LTD	1185	F model series only	cURus	

4.0 0	Critica	al Components				
Photo #	Item no.1	Name	Manufacturer/ trademark ²	Type / model ²	Technical data and securement means	Mark(s) of conformity ³
			SHENZHEN	RSFR		cURus
			SHRINKABLE	RSFR-H	600V, 125°C, VW-1	cURus
			MATERIAL CO	RSFR-HPF		cURus
			QIFURUI ELECTRONICS CO	QFR-h	600V, 125°C, VW-1	cURus
	0	Heat shrinkable	DONGGUAN	SALIPT S-901- 300	300V, 125°C, VW-1	cURus
4	9	tubing (Optional)	SALIPT CO LTD	SALIPT S-901- 600	600V, 125°C, VW-1	cURus
			GUANGZHOU KAIHENG ENTERPRISE GROUP	K-2(+)	600V, 125°C,VW-1	cURus
				K-2(CB)	300V, 125°C, VW-1	cURus
			CHANGYUAN ELECTRONICS(S HENZHEN) CO LTD	CB-HFT	Min. 300V, 125°C, VW-1	cURus
			3M COMPANY ELECTRICAL MARKETS DIV (EMD)	1350F-1		cURus
				1350T-1	130°C	cURus
				44		cURus
			BONDTEC PACIFIC CO LTD	370S(b)	130°C	cURus
			JINGJIANG YAHUA	PZ		cURus
	10			СТ	130°C	cURus
1	10	insulating tape	CO LTD	WF		cURus
			JINGJIANG JINGYI ADHESIVE PRODUCT CO LTD	JY25-A(b)	130°C	cURus
			CHANG SHU LIANG YI TAPE INDUSTRY CO LTD	LY-XX(a)(b)	130°C	cURus

4.0	4.0 Critical Components							
Photo #	ltem no.1	Name	Manufacturer/ trademark ²	Type / model ²	Technical data and securement means	Mark(s) of conformity ³		
				TF018	Class B, with insulation system and critical component shown as below items (11a - 11f), TF018 for models with input voltage range: 100-240VAC or 100-277VAC, output voltage range: 5-8.9V;	NR		
			TF019	Class B, with insulation system and critical component shown as below items (11a - 11f), TF019 for models with input voltage range: 100-240VAC or 100-277VAC, output voltage range: 9-15V;	NR			
				TF020	Class B, with insulation system and critical component shown as below items (11a - 11f), TF020 for models with input voltage range: 100-240VAC or 100-277VAC, output voltage range: 15.1-20V;	NR		
				TF021	Class B, with insulation system and critical component shown as below items (11a - 11f), TF021 for models with input voltage range: 100-240VAC or 100-277VAC, output voltage range: 20.1-28V;	NR		
				TF022	Class B, with insulation system and critical component shown as below items (11a - 11f), TF022 for models with input voltage range: 100-240VAC or 100-277VAC, output voltage range: 28.1-40V;	NR		
			TF023	Class B, with insulation system and critical component shown as below items (11a - 11f), TF023 for models with input voltage range: 100-240VAC or 100-277VAC, output voltage range: 40.1-56V;	NR			
				TF018	Class B, with insulation system and critical component shown as below items (11a - 11f), TF018 for models with input voltage range: 100-240VAC or 100-277VAC, output voltage range: 5-8.9V;	NR		

4.0		al Components	T	1		
Photo #	Item no. ¹	Name	Manufacturer/ trademark ²	Type / model ²	Technical data and securement means	Conformity
				TF019	Class B, with insulation system and critical component shown as below items (11a - 11f), TF019 for models with input voltage range: 100-240VAC or 100-277VAC, output voltage range: 9-15V;	NR
		ENG ELECTRIC CO LTD	TF020	Class B, with insulation system and critical component shown as below items (11a - 11f), TF020 for models with input voltage range: 100-240VAC or 100-277VAC, output voltage range: 15.1-20V;	NR	
			TF021	Class B, with insulation system and critical component shown as below items (11a - 11f), TF021 for models with input voltage range: 100-240VAC or 100-277VAC, output voltage range: 20.1-28V;	NR	
				TF022	Class B, with insulation system and critical component shown as below items (11a - 11f), TF022 for models with input voltage range: 100-240VAC or 100-277VAC, output voltage range: 28.1-40V;	NR
				TF023	Class B, with insulation system and critical component shown as below items (11a - 11f), TF023 for models with input voltage range: 100-240VAC or 100-277VAC, output voltage range: 40.1-56V;	NR
7	11	Transformer (T1)		TF018	Class B, with insulation system and critical component shown as below items (11a - 11f), TF018 for models with input voltage range: 100-240VAC or 100-277VAC, output voltage range: 5-8.9V;	NR
				TF019	Class B, with insulation system and critical component shown as below items (11a - 11f), TF019 for models with input voltage range: 100-240VAC or 100-277VAC, output voltage range: 9-15V;	NR

4.0 Critical Components						
Photo #	Item no.1	Name	Manufacturer/ trademark ²	Type / model ²	Technical data and securement means	Mark(s) of conformity 3
			SHAN DONG BOAM ELECTRIC CO LTD	TF020	Class B, with insulation system and critical component shown as below items (11a - 11f), TF020 for models with input voltage range: 100-240VAC or 100-277VAC, output voltage range: 15.1-20V;	NR
				TF021	Class B, with insulation system and critical component shown as below items (11a - 11f), TF021 for models with input voltage range: 100-240VAC or 100-277VAC, output voltage range: 20.1-28V;	NR
				TF022	Class B, with insulation system and critical component shown as below items (11a - 11f), TF022 for models with input voltage range: 100-240VAC or 100-277VAC, output voltage range: 28.1-40V;	NR
				TF023	Class B, with insulation system and critical component shown as below items (11a - 11f), TF023 for models with input voltage range: 100-240VAC or 100-277VAC, output voltage range: 40.1-56V;	NR
				TF018	Class B, with insulation system and critical component shown as below items (11a - 11f), TF018 for models with input voltage range: 100-240VAC or 100-277VAC, output voltage range: 5-8.9V;	NR
				TF019	Class B, with insulation system and critical component shown as below items (11a - 11f), TF019 for models with input voltage range: 100-240VAC or 100-277VAC, output voltage range: 9-15V;	NR

4.0 0	.0 Critical Components							
Photo #	ltem no.1	Name	Manufacturer/ trademark ²	Type / model ²	Technical data and securement means	Mark(s) of conformity		
				TF020	Class B, with insulation system and critical component shown as below items (11a - 11f), TF020 for models with input voltage range: 100-240VAC or 100-277VAC, output voltage range: 15.1-20V;	NR		
			CO LTD	TF021	Class B, with insulation system and critical component shown as below items (11a - 11f), TF021 for models with input voltage range: 100-240VAC or 100-277VAC, output voltage range: 20.1-28V;	NR		
				TF022	Class B, with insulation system and critical component shown as below items (11a - 11f), TF022 for models with input voltage range: 100-240VAC or 100-277VAC, output voltage range: 28.1-40V;	NR		
				TF023	Class B, with insulation system and critical component shown as below items (11a - 11f), TF023 for models with input voltage range: 100-240VAC or 100-277VAC, output voltage range: 40.1-56V;	NR		
		11a Insulation system (Not shown)	GLOBTEK INC	GTX-130-TM	Class B	cURus		
			ENG ELECTRIC CO LTD	ENG130-1	Class B	cURus		
7	11a		SHAN DONG BOAM ELECTRIC CO LTD	BOAM-01	Class B	cURus		
			SHAN DONG BOAM ELECTRIC CO LTD	B1	Class B	cURus		
			WUXI HAOPUWEI ELECTRONICS CO LTD	ZT-130	Class B	cURus		
				T375J	PMC, V-0, 150°C, min. thickness	cURus		
			PLASTICS CO	T375HF	0.45 mm.	cURus		
			LTD	4130	PBT, V-0, 140°C, min. thickness 0.74 mm.	cURus		
12	11b	Bobbin	SUMITOMO BAKELITE CO LTD	PM-9820	PF, V-0, 150°C, min. thickness 0.45 mm.	cURus		
			HITACHI CHEMICAL CO LTD	CP-J-8800	PF, V-0, 150°C, min. thickness 0.46 mm.	cURus		

ED 16.3.15 (15-Oct-20) Mandatory

4.0 0	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		
			PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD	UEWN/U	MW28-C, 130°C	cURus		
			BOLUO COUNTY XIN LONG ELECTRICIAN DATA CO LTD	2UEW-F	MW79-C,155°C	cURus		
		Magnet wire	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD	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		
	11c		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 DARTING 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		
			NINGBO JINTIAN NEW MATERIAL CO LTD	2UEW/130	MW75#, 130°C	cURus		

4.0 0	I.0 Critical Components								
Photo #	Item no. ¹	Name	Manufacturer/ trademark ²	Type / model ²	Technical data and securement means	Mark(s) of conformity ³			
11			GREAT LEOFLON INDUSTRIAL CO LTD	TRW(B) Series(s)	Reinforced Insulation, rated 130°C (Class B), 1.41 kVolts peak for Information Technology;	cURus			
			COSMOLINK CO LTD	TIW-M Serie(s)	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			
	11d	Triple-insulated wire	TOTOKU ELECTRIC CO LTD	TIW-2	Reinforced Insulation, rated 130°C (Class B), 1.40 kVolts peak for Information Technology;	cURus			
				E&B-XXXB	Reinforced Insulation, rated 130°C	cURus			
			CO LTD	E&B-XXXB-1	Information Technology;	cURus			
			CHANGYUAN ELECTRONICS (SHENZHEN) CO LTD	CB-TIW	Reinforced Insulation, rated 130°C (Class B), 1.41 kVolts peak for Information Technology;	cURus			
			SHENZHEN JIUDING NEW MATERIAL CO LTD	DTIW-B	Reinforced Insulation, rated 130°C (Class B), 1.40 kVolts peak for Information Technology;	cURus			
			3M COMPANY ELECTRICAL MARKETS DIV (EMD)	1350F-1		cURus			
				1350T-1	130°C	cURus			
				44		cURus			
			BONDTEC PACIFIC CO LTD	370S(b)	130°C	cURus			
				PZ		cURus			
			PRESSURE	ст	130°C	cURus			
10	11e	Insulating tape	SENSITIVE GLUE	WF		cURus			
			JINGJIANG JINGYI ADHESIVE PRODUCT CO LTD	JY25-A(b)	130°C	cURus			
			CHANG SHU LIANG YI TAPE INDUSTRY CO LTD	LY-XX(a)(b)	130°C	cURus			

4.00	Critic	al Components				
Photo #	Item no.1	Name	Manufacturer/ trademark ²	Type / model ²	Technical data and securement means	Mark(s) of conformity ³
			GREAT HOLDING	TFT	300V, 200°C, VW-1	cURus
			INDUSTRIAL CO	TFS	600V, 200°C, VW-1	cURus
8		PTFE tubing	SHENZHEN WOER HEAT- SHRINKABLE MATERIAL CO LTD	WF	600V, 200°C, VW-1	cURus
	11f		DONGGUAN LING FREE HARDWARE PLASTICS PRODUCT CO LTD	LING FREE PTFE TUBE (300V)	300V, 200°C, VW-1	cURus
			CHANGYUAN ELECTRONICS	СВ-ТТ-Т	300V, 200°C, VW-1	cURus
			(SHENZHEN) CO LTD	CB-TT-S	600V, 200°C, VW-1	cURus
		Label (Not shown)	DONGGUAN XIANGQUAN PRINTING CO LTD	XQ03		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
1	12		E-LIN ADHESIVE LABEL CO LTD	EL-15	Rated min 80 deg C. Suitable for	cURus
1	12		SHENZHEN CORWIN PRINTING CO LTD	CW-01	use on the plastic enclosure.	cURus
			YUEN CHANG SPECIAL PRINTING (SHENZHEN) CO LTD	JL-08		cURus
			SUZHOU HAIRONG PACKING PRODUCTION COLTD	SUZHOU HAIRONG PACKING PRODUCTION CO LTD	HR-01	
			STEVEN LABEL CORP	HW332RL		cURus
TON	ES:					

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.

4.0 Critical Components

4.0 0	1.0 Critical Components							
Photo #	Item no. ¹	Name	Manufacturer/ trademark ²	Type / model ²	Technical data and securement means	Mark(s) of conformity ³		
3) In	3) Indicates specific marks to be verified, which assures the agreed level of surveillance for the component. "NR" -							
asse	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

<u>Recognized Component</u> - 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.

<u>Listed Component</u> - 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.

<u>Unlisted Component</u> - 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.

<u>Critical Features/Components</u> - 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.

<u>Construction Details</u> - 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. <u>Spacing</u> In primary circuits, 3.0 mm minimum spacing are maintained through air and 3.0 mm minimum spacing are maintained over surfaces of insulating material between current-carrying parts of opposite polarity and 6.3 mm minimum spacing are maintained through air and 6.3 mm minimum spacing are maintained over surfaces between such current-carrying parts and dead-metal parts or low voltage isolated circuits.
- 2. <u>Mechanical Assembly</u> 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. <u>Corrosion Protection</u> All ferrous metal parts are protected against corrosion by painting, plating or the equivalent.
- 4. <u>Accessibility of Live Parts</u> 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 This product is not provided with a means of grounding.
- 6. Polarized Connection This product is not provided with a polarized power supply connection.
- 7. Internal Wiring No internal wiring
- 8. <u>Schematics and PCB layout</u> Refer to Illustration No(s). 2 for schematics, Illustration No(s). 3a, 3b for PCB layout requiring verification during Field Representative Inspection Audits.
- 9. <u>Markings</u> The product is marked on a labeling system as described in item No. 12 of Section 4.0 as follows: brand name, model number, electrical ratings, applicant. Refer to Illustration No. 5 for details.
- 10. Cautionary Markings Cautionary marking is not required.

 <u>Transformer</u> - Supplier records must be provided that indicate the received shipment of transformers (section 4.0, item 11) was constructed as indicated in Illustrations 4a to 4f. These records must be available at the factory for inspection on every received shipment.

12. <u>Safety Instructions</u> - 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

Model	Input	Output Voltage	Max. output current	Max. output power
		5-8.9Vdc	8.00A	49W
GT*96700-*****	100-240V~ or 100-277V~, 50-60Hz,2.0A	9-44Vdc	5.42A	65W
		44.1-56Vdc	1.48A	70W



7.0 Illustrations

Illustration 5 - 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. 0218 = The second week of 2018.

8.0 Test Summary							
Evaluation Period	5-Mar-2020 to	25-Jun-2020		Project No.	200300442SHA		
Sample Rec. Date	5-Mar-2020	Condition	Prototype	Sample ID.	0200305-25- 001~015		
Test Location	Building No.86	i, 1198 Qinzhou Ro	oad (North), Sha	ad (North), Shanghai 200233, China			
Test Procedure	Testing Lab						
Determination of the r	esult includes co t was tested as i	onsideration of me	asurement unce h results in confe	rtainty from the test ormance to the rele	t equipment and		
The following tests we	ere performed:						
			UL 62368-1::	2014 Ed.2 & CSA C Ed.2	22.2#62368-1:2014		
Test Description				Clause			
Energy source classifi				4.2			
Protection against ene	ergy sources			4.3			
		nergy sources	5.2				
Classification of powe	er sources (PS)		6.2				
10N steady force test		ala and taugh	4.6.2				
Temperature test for I	nsulating materi	als and touch	5.4.1.4, 9.0, B.2.6				
temperature			5418				
Ball pressure test	ang vollage lest		5.4.1.10 3				
Clearances and creer	age distances n	neasurement	542 543				
Solid insulation measure	urement			5.4.4			
Humidity conditioning	test		5.4.8				
Electric strength test			5.4.9				
Measurement of touch	h current			5.7.2.1			
Thermal energy source	e classifications	5		9.2			
Input test				B.2.5			
Simulated single fault	conditions tes			B.4			
Marking durability test	t			F.3.10			
Transformer overload	tests			G.5.3.3			
Limited power sources	S			Q.1.2			
Steady force test – 10) N			Т.2			
Steady force test – 10	0 N			Т.4			
Determination of acce	essible parts test			V.1			

3.1 Signatures								
A representative sar	A representative sample of the product covered by this report has been evaluated and found to comply with the							
applicable requirem	applicable requirements of the standards indicated in Section 1.0.							
Completed by:	Albert Zhou	Reviewed by:	Will Wang					
Title:	Engineer	Title:	Assistant manager					
Signature:	Alberts 2hou	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.
	186 Veterans Dr. Northvale, NJ 07647
Address	
Country	USA
Product	ICT/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.

The Applicant will be notified, in writing, via the applicable contact methods, as defined in Section 1.0, when these components must be selected and sent to Component Evaluation Center (CEC) for reevaluation.

Due to particular testing requirements, some components may be requested to be shipped to specific labs. Thus, specific shipment destination(s) for each sample will be provided in the written notification.

Managing CEC Location: Intertek Testing Services Shanghai Limited ETL Component Evaluation Center Building No. 86, 1198 Qinzhou Road (North) Shanghai 200233, China Attn: Ms. 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:						
Product - One sample from each shipment of Section 4.0 item 11:	Test Voltage	Test Time				
Between primary circuit and secondary output	4000Vdc	1 minute				
Between secondary circuit and core	4000Vdc	1 minute				
Product - 100% of production of the products covered by this Report:	Test Voltage	Test Time				
Between primary circuit and secondary output	3600 Vdc	1 second				

12.0 Revision Summary				
The following changes are in compliance with the declaration of Section 8.1.				
Droi # Sito ID	Poviowor	Section	Item	Description of Change
	IVENEME!			Nono
1		1		