


1.0 Reference and Address			
Report Number	210300344SHA-001	Original Issued:	5-Jun-2021
		Revised:	None
Standard(s)	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	GlobTek, Inc.	Manufacturer	GlobTek (Suzhou) Co., Ltd.
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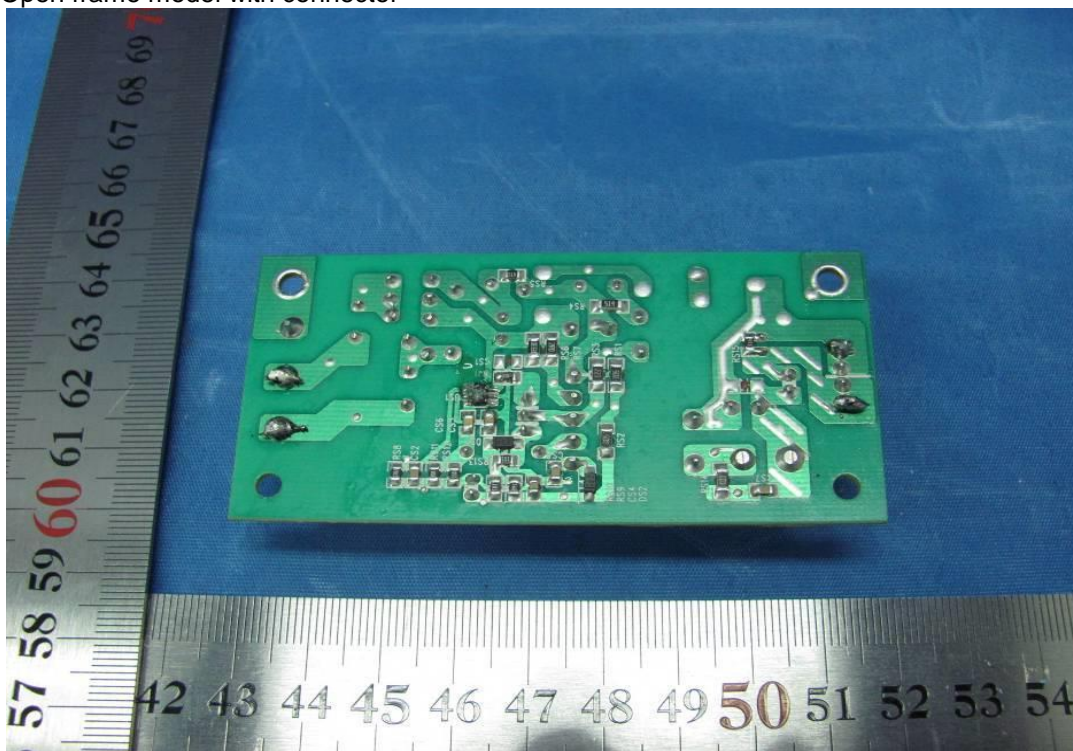
2.0 Product Description	
Product	Building in Power Supply
Brand name	 (G GlobTek,Inc.)
Description	Product covered by this report is building in power supply module. The product is not intended to use in the environment which altitude exceed 5000m.
Models	GT followed by -, M or H; followed by 41134; followed by - or CC; followed by 01 to 06; followed by 03, 04, 06, 12, 15, 18, 24, 36 or 48; may be followed by -0.1 to -11.9; may be followed by -F, -FW, -FWT2, -FT3A, -FT3; may be followed by six characters.
Model Similarity	<p>Followed by "M" or "-" or "H" for market identification and not related to safety.</p> <p>Followed by "01" to "07" denotes the rated output wattage designation, with interval of 1, "01" stands for 1W, "06" stands for 6W.</p> <p>Followed by "03", "04", "06", "12", "15", "24", "36" or "48" denotes the standard rated output voltage designation;</p> <p>Followed by "-0.1" to "-11.9" is optional deviation, subtracted from standard output voltage, with interval of 0.01, or blank to indicate no voltage different.</p> <p>= "-F" means Class I open frame model with connector which is fixing on the PCB,</p> <p>= "-FW" means Class II open frame model with connector which is fixing on the PCB.</p> <p>= "-FWT2" means open frame model with appliance inlet with Class II inlet C8 respectively,</p> <p>= "-FT3A" means open frame model with appliance inlet with Class I inlet C6 respectively,</p> <p>= "-FT3" means open frame model with appliance inlet with Class I inlet C14 respectively,</p> <p>May be followed by six characters which can be "0" to "9", "A" to "Z", "-", "()" or "[]" or blank for marketing purposes and have no bearing on safety or compliance.</p> <p>All models are similar to each other except for the encapsulation, class rating, winding wires of transformers, some unlisted secondary components, model numbers and ratings.</p>
Ratings	<p>Input: 100-240V~, 50-60Hz, 0.3A or 0.6A</p> <p>Output: 3.3-48VDC, Max 1.8A, Max. 6W</p> <p>See section 7.0, Illustration 1 for details</p>
Other Ratings	ta:50°C, Altitude:5000m
Conditions of Acceptability	<p>The products covered in this Report are incomplete in construction features or limited in performance capabilities and are intended for use and evaluation in other products. Consideration should be given to the following when the component is used in or with another product.</p> <ol style="list-style-type: none"> 1.The power supply shall be installed in compliance with the enclosure, mounting, spacing, casualty and segregation requirements of the ultimate application. 2.Connection and disconnection to the mains should be considered in the end use. 3.Temperature testing was performed on this component when installed in the end product while full load from either one of the branch circuit outlets. 4.Mechanical abuse testing was not conducted and should be considered in the end use. 5.The fuse shall be connected in an ungrounded circuit. It shall be double check in end use, polarity terminal is provided in this product. 6.Mechanical strength should be performed on this component when installed in the end product. 7.Leakage current test was not conducted and should be considered in the end use. 8.Accessibility of live parts was not checked and should be considered in the end use. 9.The rating of enclosure in end-product shall be at least V-0. 10.Whole performance test are test with power supply not installed in end appliance. All the test results presented in this report relate only to this condition. The acceptability for the condition that the same power supply model installed in other end product model not mentioned in this report will need further evaluation, which is not covered in this report.

3.0 Product Photographs

Photo 1 - Open frame model with connector



Photo 2 - Open frame model with connector



3.0 Product Photographs

Photo 3 - Open frame model with inlet

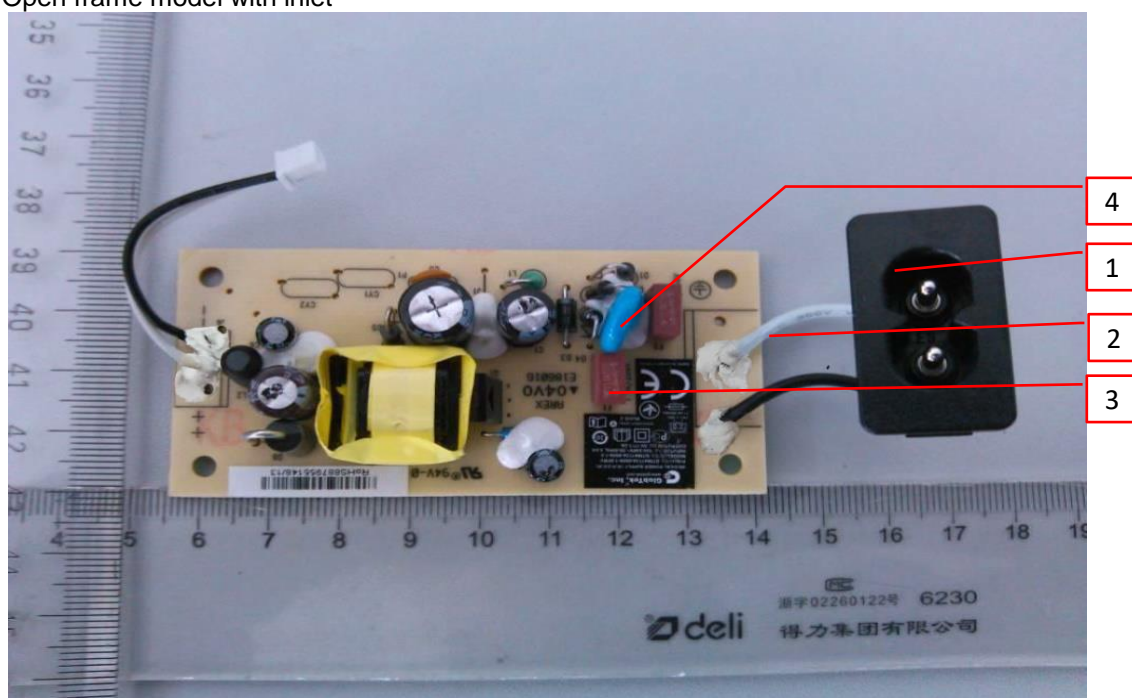


Photo 4 - Open frame model with Y-capacitor



3.0 Product Photographs

Photo 5 - Transformer

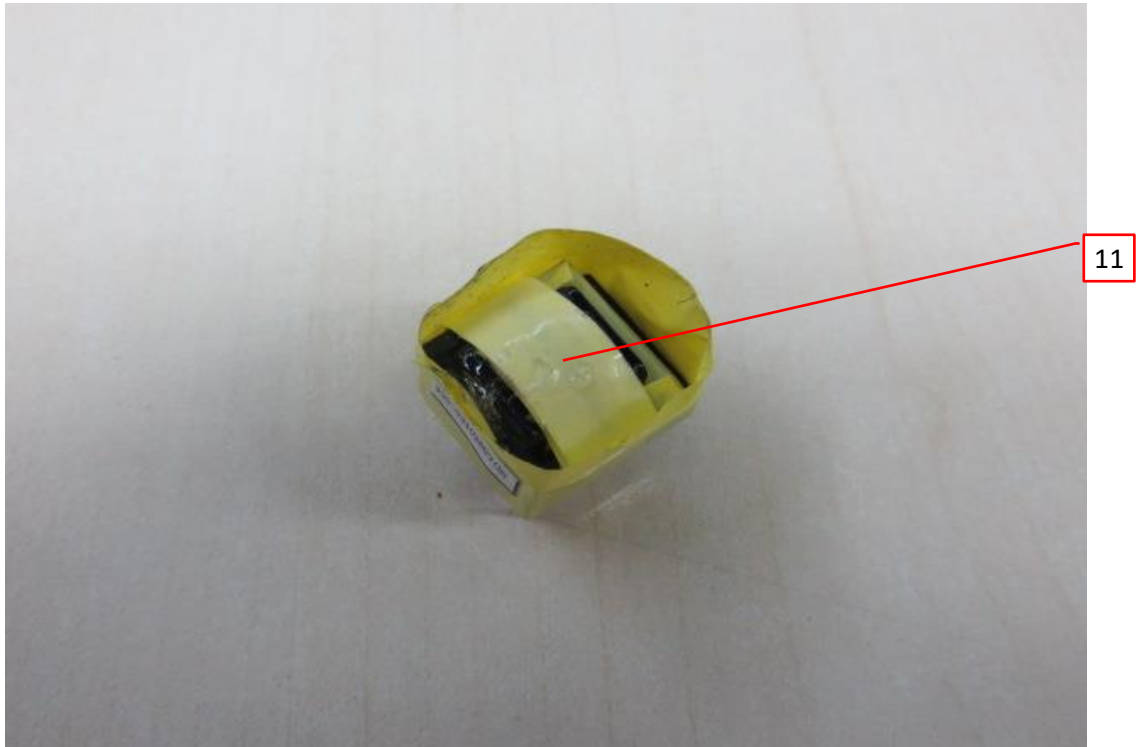


Photo 6 - Transformer



3.0 Product Photographs

Photo 7 - Transformer

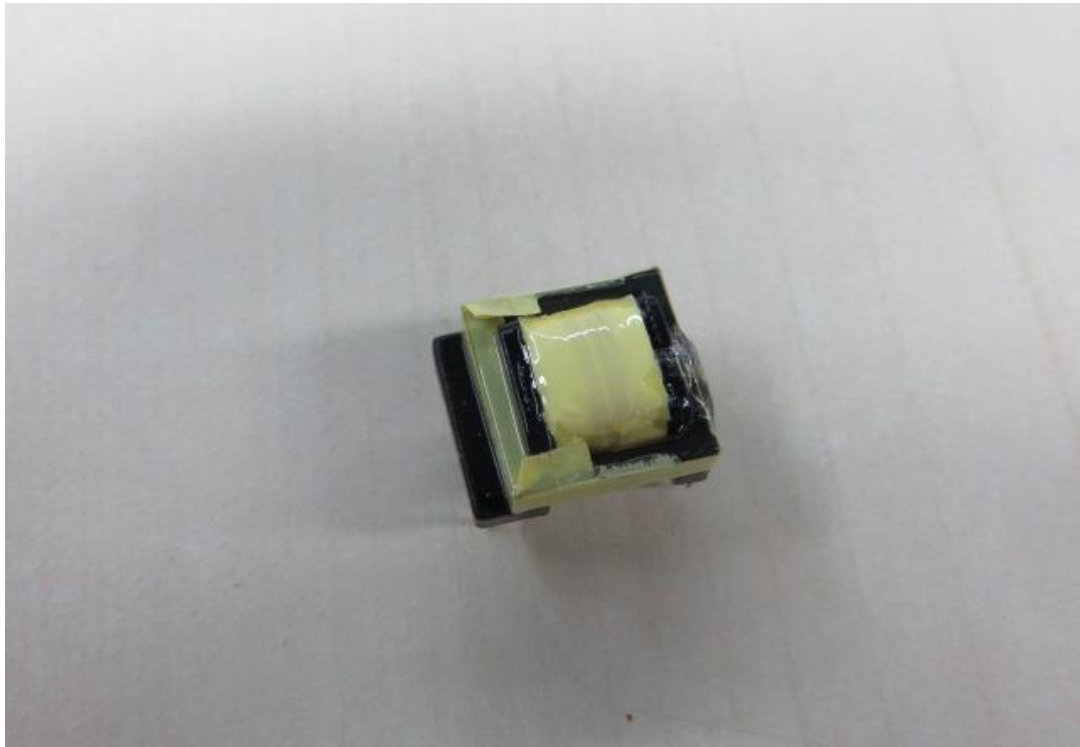
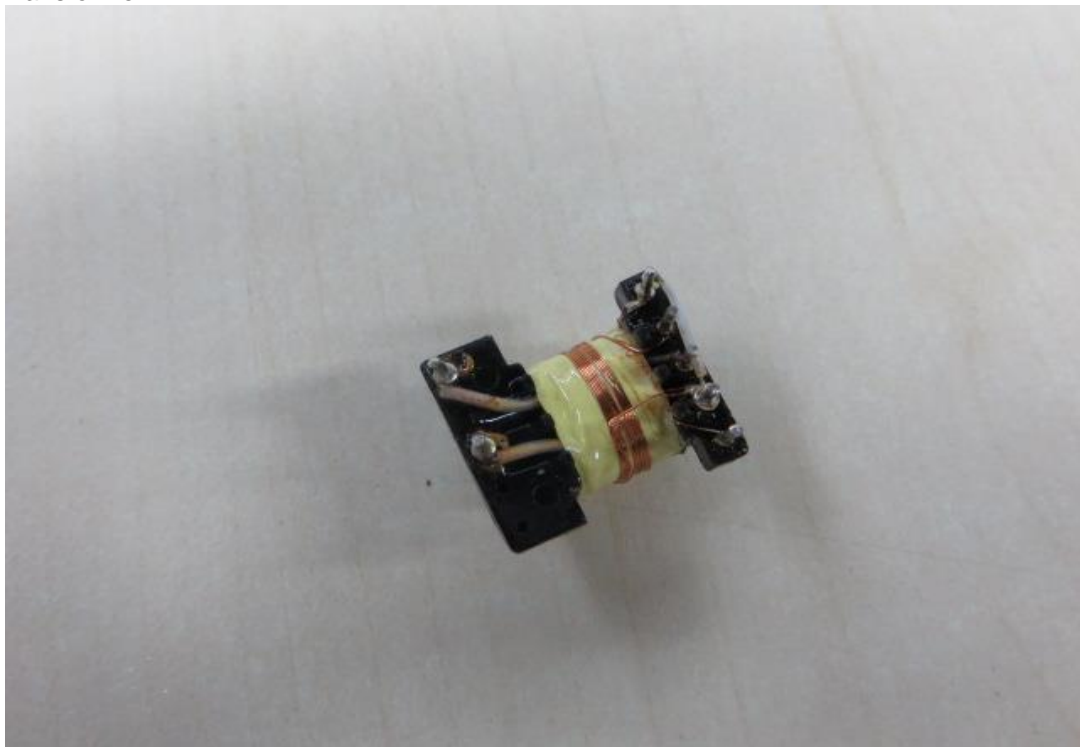


Photo 8 - Transformer



3.0 Product Photographs

Photo 9 - Transformer

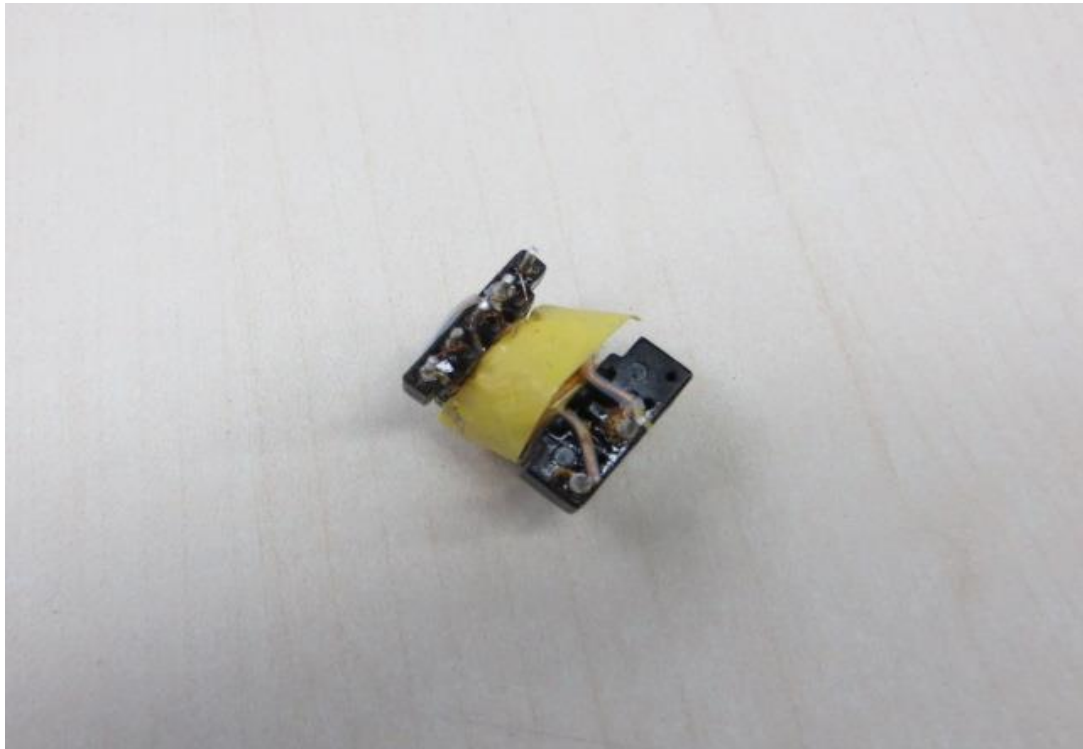
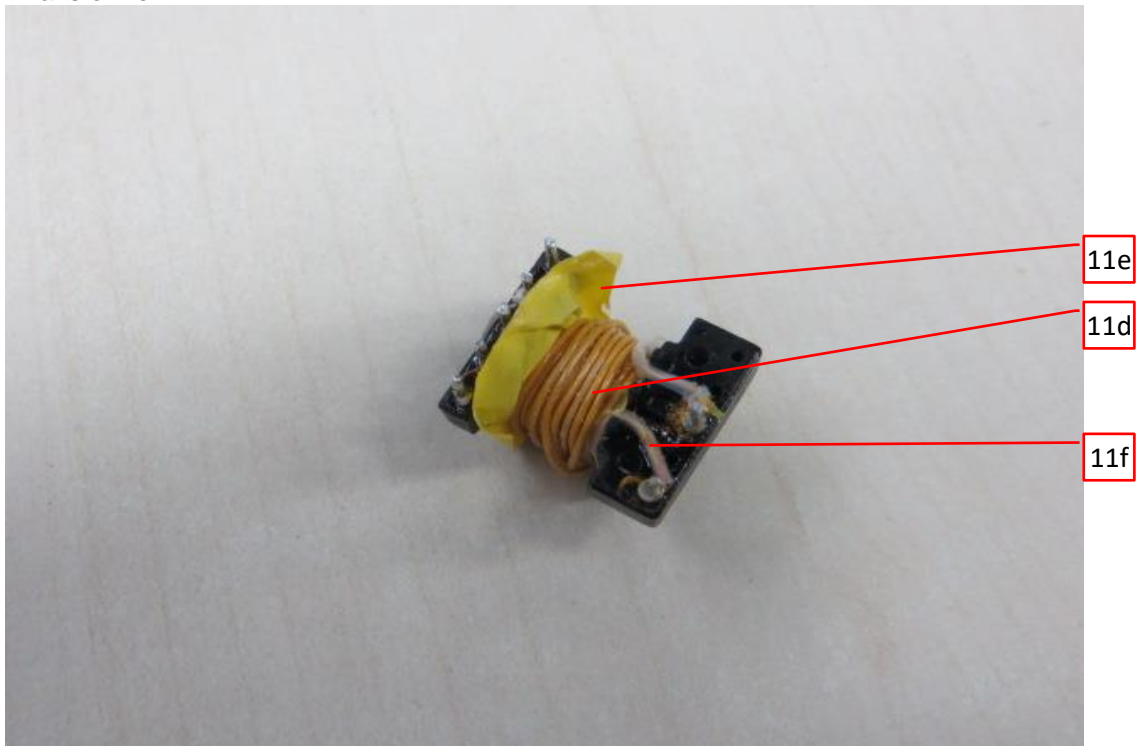


Photo 10 - Transformer



3.0 Product Photographs

Photo 11 - Transformer

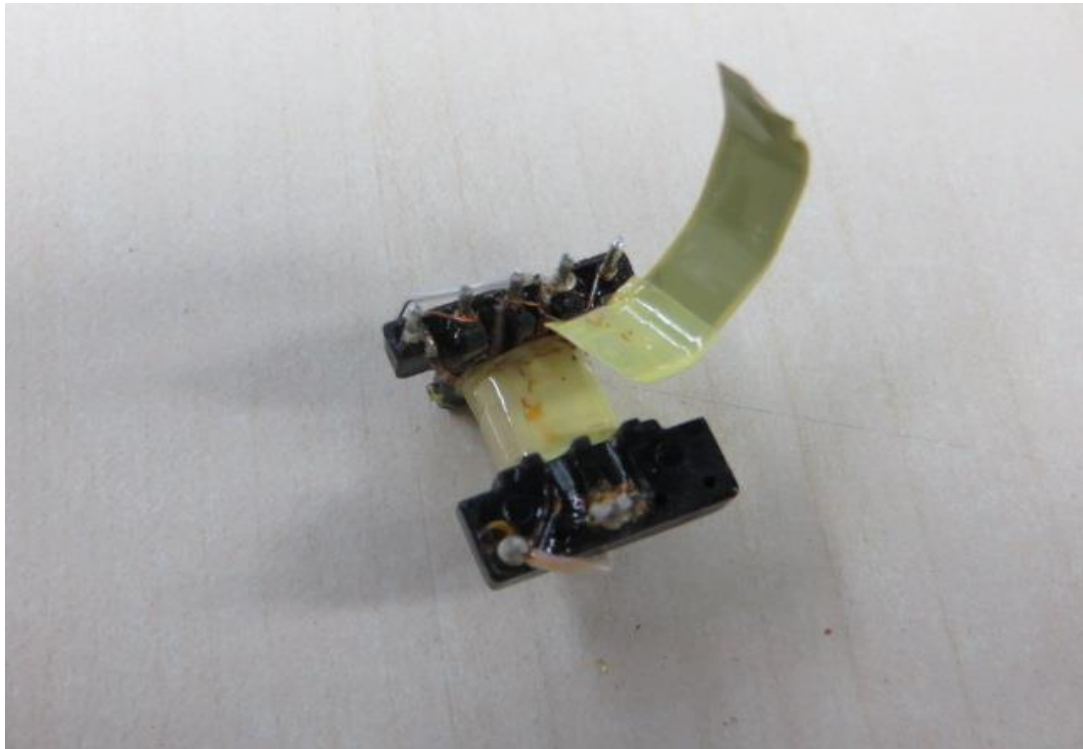
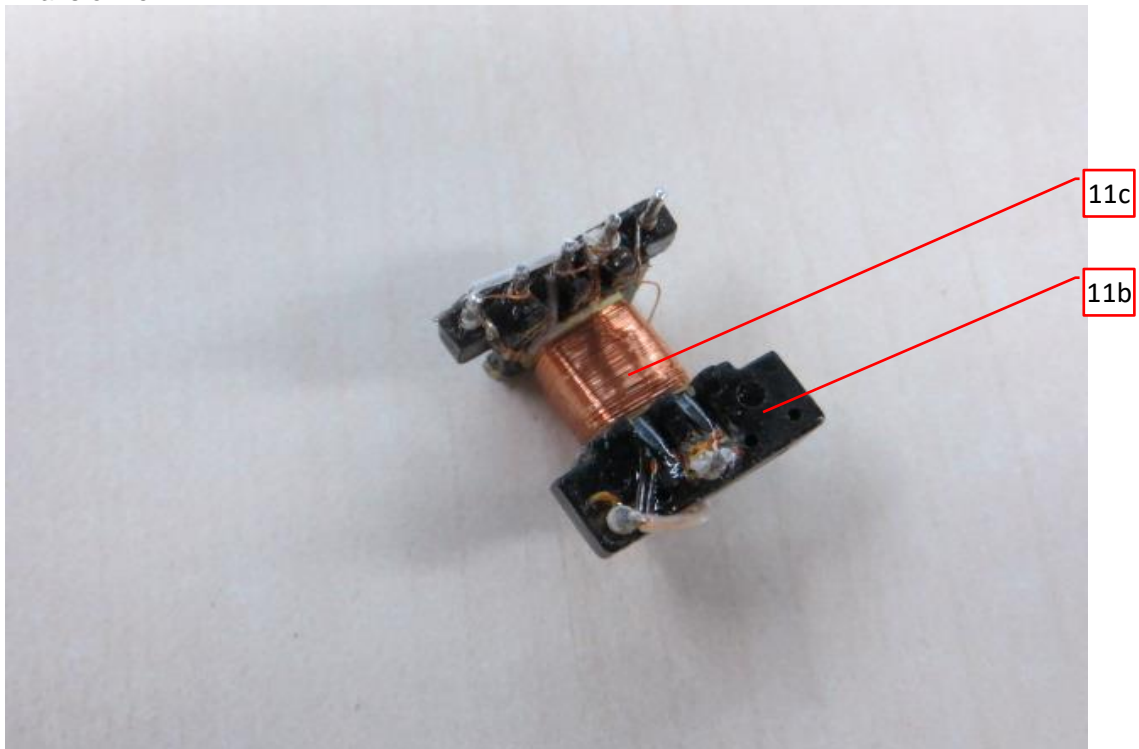
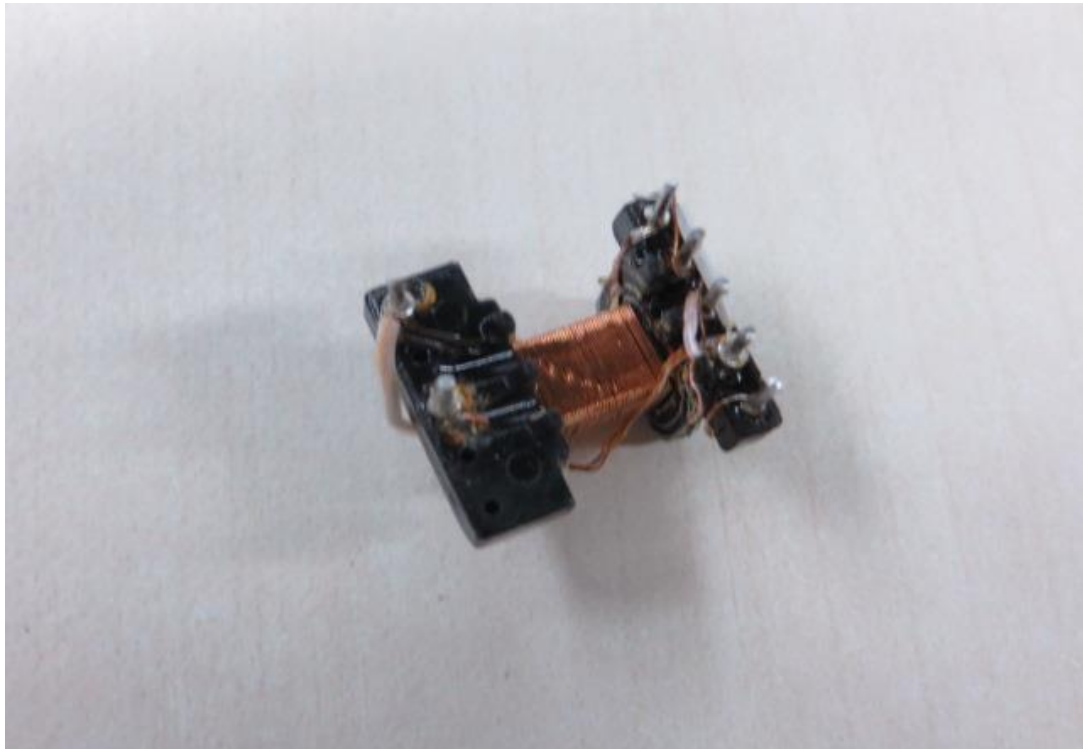


Photo 12 - Transformer



3.0 Product Photographs

Photo 13 - Transformer



4.0 Critical Components						
Photo #	Item no. ¹	Name	Manufacturer/ trademark ²	Type / model ²	Technical data and securement means	Mark(s) of conformity ³
3	1	Appliance inlet	ZHEJIANG LECI ELECTRONICS CO LTD (UL E302229)	DB-6	250VAC, 2.5A, standard sheet C6 type. For model numbers with '- FT3A"	cURus
			RICH BAY CO LTD (UL E184638)	R-30790	250VAC, 2.5A, standard sheet C6 type. For model numbers with '- FT3A"	cURus
				R-30790	250VAC, 2.5A, standard sheet C6 type. For model numbers with '- FT3A"	cURus
			SUN FAIR ELECTRIC WIRE & CABLE (HK) CO LTD (UL E226643)	S-02	250VAC, 2.5A, standard sheet C6 type. For model numbers with '- FT3A"	cURus
			TECX-UNIONS TECHNOLOGY CORP (UL E220004)	TU-333	250VAC, 2.5A, standard sheet C6 type. For model numbers with '- FT3A"	cURus
			RONG FENG INDUSTRIAL CO LTD (UL E102641)	RF-190	250VAC, 2.5A, standard sheet C6 type. For model numbers with '- FT3A"	cURus
			INALWAYS CORP (UL E94191)	0724	250VAC, 2.5A, standard sheet C6 type. For model numbers with '- FT3A"	cURus
			SHENZHEN DELIKANG ELECTRONICS TECHNOLOGY CO LTD (UL E217394)	CDJ-2	250VAC, 2.5A, standard sheet C6 type. For model numbers with '- FT3A"	cURus
			ZHEJIANG LECI ELECTRONICS CO LTD (UL E302229)	DB-14	250VAC, 10A, standard sheet C14 type. For model numbers with "- FT3"	cURus
			RICH BAY CO LTD (UL E184638)	R-301SN	250VAC, 10A, standard sheet C14 type. For model numbers with "- FT3"	cURus
			SUN FAIR ELECTRIC WIRE & CABLE (HK) CO LTD (UL E226643)	S-03	250VAC, 10A, standard sheet C14 type. For model numbers with "- FT3"	cURus
			TECX-UNIONS TECHNOLOGY CORP (UL E220004)	TU-301-S	250VAC, 10A, standard sheet C14 type. For model numbers with "- FT3"	cURus
				TU-301-SP	250VAC, 10A, standard sheet C14 type. For model numbers with "- FT3"	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
			RONG FENG INDUSTRIAL CO LTD (UL E102641)	SS-120	250VAC, 10A, standard sheet C14 type. For model numbers with "-FT3"	cURus
			INALWAYS CORP (UL E94191)	0711	250VAC, 10A, standard sheet C14 type. For model numbers with "-FT3"	cURus
			ZHEJIANG LECI ELECTRONICS CO LTD (UL E302229)	DB-8	250VAC, 2.5A, standard sheet C8 type, For model numbers with "-FWT2"	cURus
			RICH BAY CO LTD (UL E184638)	R-201SN90	250VAC, 2.5A, standard sheet C8 type, For model numbers with "-FWT2"	cURus
			SUN FAIR ELECTRIC WIRE & CABLE (HK) CO LTD (UL E226643)	S-01	250VAC, 2.5A, standard sheet C8 type, For model numbers with "-FWT2"	cURus
			TECX-UNIONS TECHNOLOGY CORP (UL E220004)	SO-222	250VAC, 2.5A, standard sheet C8 type, For model numbers with "-FWT2"	cURus
			RONG FENG INDUSTRIAL CO LTD (UL E102641)	RF-180	250VAC, 2.5A, standard sheet C8 type, For model numbers with "-FWT2"	cURus
			INALWAYS CORP (UL E94191)	0721	250VAC, 2.5A, standard sheet C8 type, For model numbers with "-FWT2"	cURus
			SHENZHEN DELIKANG ELECTRONICS TECHNOLOGY CO LTD (UL E217394)	CDJ-8	250VAC, 2.5A, standard sheet C8 type, For model numbers with "-FWT2"	cURus
3	2	Internal wire	Various	1007	Min. 18AWG, min. 300Vac, min. 80°C	cURus
			Various	1015	Min. 18AWG, min. 300Vac, min. 80°C	cURus
			Various	1185	Min. 18AWG, min. 300Vac, min. 80°C	cURus
			Various	2464	Min. 18AWG, min. 300Vac, min. 80°C	cURus
			Various	2468	Min. 18AWG, min. 300Vac, min. 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
3	3	Fuse (Optional)	CONQUER ELECTRONICS CO LTD	MST series	T1AL250V Size: 8.35 x 4.3 x 7.7mm	cURus
			EVER ISLAND ELECTRIC CO LTD & WALTER ELECTRIC	2010	T1AL250V Size: 8.4 x 4.1 x 8.4mm	cURus
			EVER ISLAND ELECTRIC CO LTD & WALTER ELECTRIC	ICP	T1AL250V Size: 3.6 x 10mm	cURus
			BEL FUSE INC	RST series	T1AL250V Size: 6.8 x 3.0 x 3.6mm	cURus
			COOPER BUSSMANN LLC	SS-5	T1AL250V Size: 8.6 x 4.3 x 8.4mm	cURus
			SHENZHEN LANSO ELECTRONICS CO LTD	SMT	T1AL250V Size: 8.4 x 4 x 7.7mm	cURus
			DONGGUAN BETTER ELECTRONICS TECHNOLOGY CO LTD	932	T1AL250V Size: 8.5 x 4.0mm	cURus
			HOLLYLAND CO LTD	5ET	T1AL250V Size: 8.0 x 4.0 x 8.5mm	cURus
			SUNNY EAST ENTERPRISE CO LTD	CFD series	T1AL250V Size: 3.6 x 10mm	cURus
			CONQUER ELECTRONICS CO LTD	MET series	T1AL250V Size: 8.35 x 7.7mm	cURus
			ZHONG SHAN LANBAO ELECTRICAL APPLIANCES CO LTD	RTI-10 series	T1AL250V Size: 3.5 x 10mm	cURus
			THINKING ELECTRONIC INDUSTRIAL CO LTD	TVR10471K	For MOV1; Max. Continuous voltage: min 300Vac(rms), 85°C	cURus
			THINKING ELECTRONIC INDUSTRIAL CO LTD	TVR14471K	For MOV1; Max. Continuous voltage: min 300Vac(rms), 85°C	cURus
			CENTRA SCIENCE CORP	CNR-10D471K	For MOV1; Max. Continuous voltage: min 300Vac(rms), 105°C	cURus
			CENTRA SCIENCE CORP	CNR-14D471K	For MOV1; Max. Continuous voltage: min 300Vac(rms), 105°C	cURus
			SUCCESS ELECTRONICS CO LTD	SVR10D471K	For MOV1; Max. Continuous voltage: min 300Vac(rms), 105°C	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
3	4	Varistor	SUCCESS ELECTRONICS CO LTD	SVR14D471K	For MOV1; Max. Continuous voltage: min 300Vac(rms), 105°C	cURus
			WALSIN TECHNOLOGY CORP	VZ14D471K	For MOV1; Max. Continuous voltage: min 300Vac(rms), 85°C	cURus
			LIEN SHUN ELECTRONICS CO LTD	14D471K	For MOV1; Max. Continuous voltage: min 300Vac(rms), 105°C	cURus
			CERAMATE TECHNICAL CO LTD	10D471K	For MOV1; Max. Continuous voltage: min 300Vac(rms), 105°C	cURus
			CERAMATE TECHNICAL CO LTD	14D471K	For MOV1; Max. Continuous voltage: min 300Vac(rms), 105°C	cURus
			BRIGHTKING (SHENZHEN) CO LTD	14D471K	For MOV1; Max. Continuous voltage: min 300Vac(rms), 105°C	cURus
			BRIGHTKING (SHENZHEN) CO LTD	10D471K	For MOV1; Max. Continuous voltage: min 300Vac(rms), 105°C	cURus
			JOYIN CO LTD	10N471K	For MOV1; Max. Continuous voltage: min 300Vac(rms), 85°C	cURus
			JOYIN CO LTD	14N471K	For MOV1; Max. Continuous voltage: min 300Vac(rms), 85°C	cURus
			WALEX ELECTRONIC (WUXI) CO LTD	T2	Min. 1.6 mm thickness, min. V-0, 130°C	cURus
			WALEX ELECTRONIC (WUXI) CO LTD	T2A	Min. 1.6 mm thickness, min. V-0, 130°C	cURus
			WALEX ELECTRONIC (WUXI) CO LTD	T2B	Min. 1.6 mm thickness, min. V-0, 130°C	cURus
			WALEX ELECTRONIC (WUXI) CO LTD	T4	Min. 1.6 mm thickness, min. V-0, 130°C	cURus
			DONGGUAN HE TONG ELECTRONICS CO LTD	CEM1	Min. 1.6 mm thickness, min. V-0, 130°C	cURus
			DONGGUAN HE TONG ELECTRONICS CO LTD	2V0	Min. 1.6 mm thickness, min. V-0, 130°C	cURus
			DONGGUAN HE TONG ELECTRONICS CO LTD	FR4	Min. 1.6 mm thickness, min. V-0, 130°C	cURus
			CHEERFUL ELECTRONIC (HK) LTD	02	Min. 1.6 mm thickness, min. V-0, 130°C	cURus
			CHEERFUL ELECTRONIC (HK) LTD	03	Min. 1.6 mm thickness, min. V-0, 130°C	cURus

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4	5	PCB	CHEERFUL ELECTRONIC (HK) LTD	03A	Min. 1.6 mm thickness, min. V-0, 130°C	cURus
			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
				03V0	Min. 1.6 mm thickness, min. V-0, 130°C	cURus
				02V0	Min. 1.6 mm thickness, min. V-0, 130°C	cURus
			BRITE PLUS ELECTRONICS (SUZHOU) CO LTD	DKV0-3A	Min. 1.6 mm thickness, min. V-0, 130°C	cURus
			BRITE PLUS ELECTRONICS (SUZHOU) CO LTD	DGV0-3A	Min. 1.6 mm thickness, min. V-0, 130°C	cURus
			KUOTIANG ENT LTD	C-2	Min. 1.6 mm thickness, min. V-0, 130°C	cURus
			KUOTIANG ENT LTD	C-2A	Min. 1.6 mm thickness, min. V-0, 130°C	cURus
			PACIFIC WIN INDUSTRIAL LTD	PW-02	Min. 1.6 mm thickness, min. V-0, 130°C	cURus
			PACIFIC WIN INDUSTRIAL LTD	PW-03	Min. 1.6 mm thickness, min. V-0, 130°C	cURus
			SHENZHEN TONGCHUANGXI N 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
			SUZHOU XINKE ELECTRONICS CO LTD	XK-3	Min. 1.6 mm thickness, min. V-0, 130°C	cURus
			KUNSHAN CITY HUA SHENG CIRCUIT BOARD CO LTD	HS-S	Min. 1.6 mm thickness, min. V-0, 130°C	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
			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 or cETLus Recognized
5	11	Transformer	GlobTek INC	XF00716I	Output voltage range:3.3-4.9Vdc Class B with insulation system below.	NR
				XF00714I	Output voltage range:5-8.9Vdc Class B with insulation system below.	NR
				XF00717	Output voltage range:9-14.9Vdc Class B with insulation system below.	NR
				XF00718	Output voltage range:15-18.9Vdc Class B with insulation system below.	NR
				XF00719	Output voltage range:19-24Vdc Class B with insulation system below.	NR
				XF00814	Output voltage range:24.1-36Vdc Class B with insulation system below.	NR
				XF00841	Output voltage range:36.1-48Vdc Class B with insulation system below.	NR
			ENG ELECTRIC CO LTD	XF00716I	Output voltage range:3.3-4.9Vdc Class B with insulation system below.	NR
				XF00714I	Output voltage range:5-8.9Vdc Class B with insulation system below.	NR
				XF00717	Output voltage range:9-14.9Vdc Class B with insulation system below.	NR
				XF00718	Output voltage range:15-18.9Vdc Class B with insulation system below.	NR
				XF00719	Output voltage range:19-24Vdc Class B with insulation system below.	NR
				XF00814	Output voltage range:24.1-36Vdc Class B with insulation system below.	NR
				XF00841	Output voltage range:36.1-48Vdc Class B with insulation system below.	NR

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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
			SHAN DONG BOAM ELECTRIC CO LTD	XF00716I	Output voltage range:3.3-4.9Vdc Class B with insulation system below.	NR
				XF00714I	Output voltage range:5-8.9Vdc Class B with insulation system below.	NR
				XF00717	Output voltage range:9-14.9Vdc Class B with insulation system below.	NR
				XF00718	Output voltage range:15-18.9Vdc Class B with insulation system below.	NR
				XF00719	Output voltage range:19-24Vdc Class B with insulation system below.	NR
				XF00814	Output voltage range:24.1-36Vdc Class B with insulation system below.	NR
				XF00841	Output voltage range:36.1-48Vdc Class B with insulation system below.	NR
			WUXI HAOPUWEI ELECTRONICS CO LTD	XF00716I	Output voltage range:3.3-4.9Vdc Class B with insulation system below.	NR
				XF00714I	Output voltage range:5-8.9Vdc Class B with insulation system below.	NR
				XF00717	Output voltage range:9-14.9Vdc Class B with insulation system below.	NR
				XF00718	Output voltage range:15-18.9Vdc Class B with insulation system below.	NR
				XF00719	Output voltage range:19-24Vdc Class B with insulation system below.	NR
				XF00814	Output voltage range:24.1-36Vdc Class B with insulation system below.	NR
				XF00841	Output voltage range:36.1-48Vdc Class B with insulation system below.	NR
5	11a	Insulation system (Not shown)	ENG ELECTRIC CO LTD	ENG130-1	Class B	cURus
			GLOBTEK INC	GTX-130-TM	Class B	cURus
			SHAN DONG BOAM ELECTRIC CO LTD	BOAM-01	Class B	cURus
				B1	Class B	cURus
			WUXI HAOPUWEI ELECTRONICS CO LTD	ZT-130	Class B	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
12	11b	Bobbin	CHANG CHUN PLASTICS CO LTD	T375J	V-0, 150°C, thickness 0,45 mm min.	cURus
			CHANG CHUN PLASTICS CO LTD	T375HF	V-0, 150°C, thickness 0,45 mm min.	cURus
			CHANG CHUN PLASTICS CO LTD	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
			HITACHI CHEMICAL CO LTD	CP-J-8800	V-0, 150°C, thickness 0,45 mm min.	cURus
12	11c	Magnet wire	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
			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

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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	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 TECHNOLOGY CO LTD	E&B-XXXB	Reinforced Insulation, rated 130°C (Class B), 1.40 kVolts peak for Information Technology;	cURus
			E&B TECHNOLOGY CO LTD	E&B-XXXB-1	Reinforced Insulation, rated 130°C (Class B), 1.40 kVolts peak for 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
10	11e	Insulating tape	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	1350F-1	130°C	cURus
				1350T-1	130°C	cURus
				44	130°C	cURus
			BONDTEC PACIFIC CO LTD	370S	130°C	cURus
			JINGJIANG YAHUA PRESSURE SENSITIVE GLUE CO LTD	PZ	130°C	cURus
				CT	130°C	cURus
				WF	130°C	cURus
			JINGJIANG JINGYI ADHESIVE PRODUCT CO LTD	JY25-A	130°C	cURus
10	11f	PTFE tubing	GREAT HOLDING INDUSTRIAL CO LTD	TFT	300V, 200°C, VW-1	cURus
			GREAT HOLDING INDUSTRIAL CO LTD	TFS	600V, 200°C, VW-1	cURus
			SHENZHEN WOER HEAT-SHRINKABLE MATERIAL CO LTD	WF	600V, 200°C, VW-1	cURus

4.0 Critical Components						
Photo #	Item no. ¹	Name	Manufacturer/ trademark ²	Type / model ²	Technical data and securement means	Mark(s) of conformity ³
			CHANGYUAN ELECTRONICS (SHENZHEN) CO LTD	CB-TT-T	300V, 200°C, VW-1	cURus
			CHANGYUAN ELECTRONICS (SHENZHEN) CO LTD	CB-TT-S	600V, 200°C, VW-1	cURus
4	12	Y capacitor (Optional)	TDK CORPORATION	CD	Y1, AC250V, max 4700pF, -25~+85°C; For CY1 and CY2	cURus
			SUCCESS ELECTRONICS CO LTD	SE	Y1, AC250V, max 4700pF, -40~+125°C; For CY1 and CY2	cURus
			SUCCESS ELECTRONICS CO LTD	SB	Y1, AC250V, max 4700pF, -40~+125°C; For CY1 and CY2	cURus
			MURATA MFG CO LTD	KX	Y1, AC250V, max 4700pF, -40~+125°C; For CY1 and CY2	cURus
			WALSIN TECHNOLOGY CORP	AH	Y1, AC250V, max 4700pF, -40~+125°C; For CY1 and CY2	cURus
			JYA-NAY CO LTD	JN	Y1, AC250V, max 4700pF, -25~+125°C; For CY1 and CY2	cURus
			HAOHUA ELECTRONIC CO	CT7	Y1, AC250V, max 4700pF, -30~+125°C; For CY1 and CY2	cURus
			JERRO ELECTRONICS CORP	JX-series	Y1, AC250V, max 4700pF, -40~+125°C; For CY1 and CY2	cURus
			WELSON INDUSTRIAL CO LTD	WD	Y1, AC250V, max 4700pF, -40~+125°C; For CY1 and CY2	cURus
			JYH CHUNG ELECTRONICS CO LTD	JD	Y1, AC400V, max 4700pF, -40~+85°C; For CY1 and CY2	cURus
4	13	Marking Label (not shown)	Various	Various	Polycarbonate, Max Temperature 80°C, comply with UL 969	cURus or cETLus Recognized

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, 2.3 mm minimum spacing are maintained through air and 2.5 mm minimum spacing are maintained over surfaces of insulating material between current-carrying parts of opposite polarity and 4.5 mm minimum spacing are maintained through air and 5.0 mm minimum spacing are maintained over surfaces between such current-carrying parts and dead-metal parts or low voltage isolated circuits. The clearances are multiplied by the multiplication factor for the altitude 5000m.
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.
5. Grounding - For adapter models with earthing connection, 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. For adapter models without earthing connection, the products are not provided with grounding means as they are reinforced insulated.
6. Polarized Connection - This product is provided with a non-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 18AWG, with a minimum rating of 300V, 80°C.
8. Schematics - Refer to Illustration No. 2 for schematics & No.3 PCB layout requiring verification during Field Representative Inspection Audits.
9. Transformer - Supplier records must be provided that indicate the received shipment of transformers (section 4.0, item 11) was constructed as indicated in Illustrations 4, 4a and 4b. These records must be available at the factory for inspection on every received shipment.
10. Markings - The product is marked as labeling system as described in item No.13 of Section 4.0 as follows: brand name, model number, date of manufacturer, electrical ratings.

7.0 Illustrations


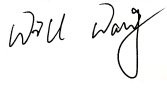
Illustration 1 - Model list

Model	voltage	Max. current	Max. power
GT followed by -, M or H; followed by 41134; followed by - or CC; followed by 01 to 06; followed by 03, 04, 06, 12, 15, 18, 24, 36 or 48; may be followed by -0.1 to -11.9; may be followed by -F, -FW, -FWT2, -FT3A, -FT3; may be followed by six characters.	3.3V	1.8A	6.0W
	3.4-4V	1.76A	6.0W
	4.1-6V	1.46A	6.0W
	6.1-12V	0.98A	6.0W
	12.1-15V	0.50A	6.0W
	15.1-18V	0.40A	6.0W
	18.1-24V	0.33A	6.0W
	24.1-36V	0.25A	6.0W
	36.1-48V	0.16A	6.0W

Transformer list

Model	Voltage Range	Transformer model
GT followed by -, M or H; followed by 41134; followed by - or CC; followed by 01 to 06; followed by 03, 04, 06, 12, 15, 18, 24, 36 or 48; may be followed by -0.1 to -11.9; may be followed by -F, -FW, -FWT2, -FT3A, -FT3; may be followed by six characters.	3.3-4.9V	XF00716I
	5-8.9V	XF00714I
	9-14.9V	XF00717
	15-18.9V	XF00718
	19-24V	XF00719
	24.1-36V	XF00814
	36.1-48V	XF00841

8.0 Test Summary					
Evaluation Period	28-Mar-2021 to 15-May-2021			Project No.	210300344SHA
Sample Rec. Date	28-Mar-2021	Condition	Prototype	Sample ID.	0210328-91-001~006
Test Location	Intertek Testing Services Shanghai Limited				
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			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]		
Energy source classifications			4.2		
Protection against energy sources			4.3		
Classification and limits of electrical energy sources			5.2		
Classification of power sources (PS) and potential ignition sources (PIS)			6.2		
10 N steady force test			4.6.2		
Temperature test for insulating materials and touch temperature			5.4.1.4, 9.0		
Determination of working voltage test			5.4.1.8		
Ball pressure test			5.4.1.10.3		
Clearances and creepage distances measurement			5.4.2, 5.4.3		
Solid insulation measurement			5.4.4		
Humidity conditioning test			5.4.8		
Electric strength test			5.4.9		
Thermal energy source classifications			9.2		
Input test			B.2.5		
Simulated single fault conditions test			B.4		
Limited power source			Q.1		
Transformer overload tests			G.5.3.3		
Steady force test – 10 N			T.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:	Gio Li	Reviewed by:	Will Wang
Title:	Engineer	Title:	Manager
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	Building in Power Supply

MULTIPLE LISTEE 1	None
Address	
Country	
Brand Name	
ASSOCIATED MANUFACTURER	
Address	
Country	
MULTIPLE LISTEE 1 MODELS	BASIC LISTEE MODELS

MULTIPLE LISTEE 2	None
Address	
Country	
Brand Name	
ASSOCIATED MANUFACTURER	
Address	
Country	
MULTIPLE LISTEE 2 MODELS	BASIC LISTEE MODELS

MULTIPLE LISTEE 3	None
Address	
Country	
Brand Name	
ASSOCIATED MANUFACTURER	
Address	
Country	
MULTIPLE LISTEE 3 MODELS	BASIC LISTEE MODELS

10.0 General Information

The Applicant and Manufacturer have agreed to produce, test and label ETL Listed products in accordance with the requirements of this Report. The Manufacturer has also agreed to notify Intertek and to request authorization prior to using alternate parts, components or materials.

COMPONENTS

Components used shall be those itemized in this Intertek report covering the product, including any amendments and/or revisions.

LISTING MARK

The ETL Listing mark applied to the products shall either be separable in form, such as labels purchased from Intertek, or on a product nameplate or other media only as specifically authorized by Intertek. Use of the mark is subject to the control of Intertek.

The mark must include the following four items:

- 1) applicable country identifiers "US" and/or "C" or "US", "C" and "EU"
- 2) the word "Listed" or "Classified" or "Recognized Component" (whichever is appropriate)
- 3) a control number issued by Intertek
- 4) a product descriptor that identifies the standards used for certification. Example:

For US standards, the words, "Conforms to" shall appear with the standard number along with the word, "Standard" or "Std." Example: "Conforms to ANSI/UL Std. XX."

For Canadian standards, the words "Certified to CAN/CSA Standard CXX No. XX." shall be used, or abbreviated, "Cert. to CAN/CSA Std. CXX No. XX."

Can be used together when both standards are used.

If all standards on the ATM have the same standard title, the shared title or its abbreviation may be used in place of the examples above. Example: "Medical Electrical Equipment" or "MEE"; "Information Technology Equipment" or "ITE"; "Audio/Video Information And Communication Technology Equipment" or "A/V ICTE".

Note: A facsimile must be submitted to Intertek, Attn: Follow-up Services for approval prior to use.

The facsimile need not have a control number. A control number will be issued **after signed Certification Agreements** have been received by the Follow-up Services office, approval of the facsimile of your proposed Listing Mark, satisfactory completion of the Listing Report, and scheduling of a factory assessment in your facility.

MANUFACTURING AND PRODUCTION TESTS

Manufacturing and Production Tests shall be performed as required in this Report.

FOLLOW-UP SERVICE

Periodic unannounced audits of the manufacturing facility (and any locations authorized to apply the mark) shall be scheduled by Intertek. An audit report shall be issued after each visit. Special attention will be given to the following:

1. Conformance of the manufactured product to the descriptions in this Report.
2. Conformance of the use of the ETL mark with the requirements of this Report and the Certification Agreement.
3. Manufacturing changes.
4. Performance of specified Manufacturing and Production Tests.

In the event that the Intertek representative identifies non-conformance(s) to any provision of this Report, the Applicant shall take one or more of the following actions:

1. Correct the non-conformance.
2. Remove the ETL Mark from non-conforming product.
3. Contact the issuing product safety evaluation center for instructions.

10.1 Evaluation of Unlisted Components

Because Unlisted Components are uncontrolled, and they do not fall under a third party follow up program, Intertek may require these components to be tested and/or evaluated at least once annually, more often for certain components, as part of the independent certification process. The Unlisted Components in Section 5.0 require testing and/or evaluation as indicated.

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

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

Managing CEC Location:

Intertek Testing Services Shanghai Limited

ETL Component Evaluation Center

Building No. 86, 1198 Qinzhou Road (North)

Shanghai 200233, China

Attn: Ms. Angela Han

Sample Disposition: Due to the destructive nature of the testing, all samples will be discarded at the conclusion of testing unless, the manufacturer specifically requests the return of the samples. The request for return must accompany the initial component shipment.

11.0 Manufacturing and Production Tests

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

Required Tests

Dielectric Voltage Withstand Test

11.1 Dielectric Voltage Withstand Test

Method

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

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

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

Test Equipment

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

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

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

- 1 - a voltmeter in the primary circuit;
- 2 - a selector switch marked to indicate the test potential; or
- 3 - a marking in a readily visible location to indicate the test potential for test equipment having a single test potential output.

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

Products Requiring Dielectric Voltage Withstand Test:

<u>Product</u>	<u>Test Voltage</u>	<u>Test Time</u>
One sample from each shipment of Section 4.0 item 11:		
Between primary circuit and secondary output	4000Vdc	1 min
Between secondary circuit and core	4000Vdc	1 min
<u>Product</u>	<u>Test Voltage</u>	<u>Test Time</u>
All products covered by this Report.		
Between input circuit and accessible enclosure surface	3600Vdc	1 s
Between input circuit and secondary circuit/output terminal	3600Vdc	1 s

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

ED 16.3.15 (5-Jun-2021) Mandatory