



안전인증서

Safety Certificate

안전인증번호: HU10499-21049B
(Certificate No.)

제조업자/수입업자명: GlobTek (Suzhou) Co., Ltd.
(Manufacturer/importer)

주 소: Building 4, #76, Jin Ling East Rd., Suzhou Park, Suzhou, Jiangsu
(Address) 215021, P.R.China

제 품 명: 직류전원장치
(Product)

기본모델명: GTM961600P18024-T3
(Basic Model)

파생모델명 (Series Model):

GTM961600P15024-T3

GTM961800P17024-T3

GTM961800P18025-T3

GTM961800P18026-T3

GTM961800P18027-T3

GTM961800P16024-T3

GTM961600P16025-T3

GTM961600P16026-T3

GTM961600P16027-T3

이면기재

정격/안전기준상의 모델구분: 100-240 V~, 50-60 Hz, 2.2 A (O/P: 24.0 Vdc, 7.50 A)
(Rating)

시험기준: K 60950-1(2011-12)
(Standard)

본 인증서는 제조국명: 중국

제조업자명: GlobTek (Suzhou) Co., Ltd.

제조공장의 주소: Building 4, #76, Jin Ling East Rd., Suzhou Park, Suzhou, Jiangsu
215021, P.R.China

의 제품에만 해당함

「전기용품 및 생활용품 안전관리법 시행규칙」 제9조제2항, 제4항, 제10조제2항 또는 제15조제2항에 따라 안전인증서를 발급합니다.

We issue this Safety Certificate for the above appliances in accordance with the Article 9(2), 9(4), 10(2) or 15(2) of the Enforcement Rule of the Electrical Appliances and Consumer Products Safety Control Act.



2021 년 12 월 04 일
(Year) (Month) (Day)

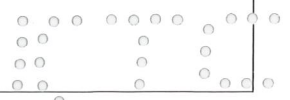
한국기계전기전자시험연구원
Korea Testing Certification Institute



※ 이 인증서는 「전기용품 및 생활용품 안전관리법」에 따른 제품의 안전성 확인에 한정된 것이며, 그 밖의 다른 법률이 적용되는 제품의 경우에는 해당 법률에 따라 추가로 인증·허가 등을 받아야 합니다.

첨부서류

1. 전기용품의 안전관리부품 및 재질목록 (List of Critical Components)
2. 기본모델 · 파생모델의 내용 (Descriptions of the basic and series model)
3. 안전인증의 변경 현황 (Revisions Status)



GTM961600P16028-T3
 GTM961600P16030-T3
 GTM961600P15024-T3A
 GTM961800P17024-T3A
 GTM961600P16025-T3A
 GTM961600P16026-T3A
 GTM961600P16027-T3A
 GTM961600P16028-T3A
 GTM961600P16030-T3A
 GTM961800P18024-T3

GTM961800P18028-T3
 GTM961800P18030-T3
 GTM961600P16024-T3A
 GTM961800P18024-T3A
 GTM961800P18025-T3A
 GTM961800P18026-T3A
 GTM961800P18027-T3A
 GTM961800P18028-T3A
 GTM961800P18030-T3A
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1. 기본모델 · 파생모델의 내용(General Descriptions of Certified Products)

1.1 제품의 설명 (Product description)

인증제품의 개요는 다음과 같다.

(Information on certified basic model product is as follow)

구분(Section)	내 용 (Description)
용도 (Normal use)	The equipment was designed to be used for converting AC main voltage to DC low voltage
내부구조 (Internal construction)	Consisting of reinforced insulation or double insulation between the primary circuit and SELV circuit
외부구조 (External construction)	Provided with an appliance inlet and the plastic enclosure having min. V-1 flammability
기타(Others)	Class I

1.2 전기용품의 표시: 전기용품 및 생활용품 안전관리법 시행규칙 제20조(안전인증의 표시)에 따라 표시한다.

(Marking of KC Mark: Marking shall comply with the Article 20 of the Enforcement Rule of the Electrical Appliances and Consumer Products Safety Control Act.)

1.3 등록모델 (Registered Models)

구 분 (Class)	모 델 명 및 정 격 (Model / Rating)	기본모델과의 차이점 (Difference between basic model and series model)
기본모델 (Basic model)	GTM961600P18024-T3 100-240 V~, 50-60 Hz, 2.2 A (O/P: 24.0 Vdc, 7.50 A)	
파생모델 (Series model)	GTM961600P15024-T3	Identical to the basic model except for the model name and output rating(O/P: 24 Vdc, 6.25 A)
	GTM961800P16024-T3	Identical to the basic model except for the model name and output rating(O/P: 24 Vdc, 6.66 A)
	GTM961800P17024-T3	Identical to the basic model except for the model name and output rating(O/P: 24 Vdc, 7.08 A)



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	GTM961600P16025-T3	Identical to the basic model except for the model name and output rating(O/P: 25 Vdc, 6.40 A)
	GTM961800P18025-T3	Identical to the basic model except for the model name and output rating(O/P: 25 Vdc, 7.20 A)
	GTM961600P16026-T3	Identical to the basic model except for the model name and output rating(O/P: 26 Vdc, 6.15 A)
	GTM961800P18026-T3	Identical to the basic model except for the model name and output rating(O/P: 26 Vdc, 6.92 A)
	GTM961600P16027-T3	Identical to the basic model except for the model name and output rating(O/P: 27 Vdc, 5.92 A)
	GTM961800P18027-T3	Identical to the basic model except for the model name and output rating(O/P: 27 Vdc, 6.66 A)
	GTM961600P16028-T3	Identical to the basic model except for the model name and output rating(O/P: 28 Vdc, 5.71 A)
	GTM961800P18028-T3	Identical to the basic model except for the model name and output rating(O/P: 28 Vdc, 6.42 A)
	GTM961600P16030-T3	Identical to the basic model except for the model name and output rating(O/P: 30 Vdc, 5.33 A)
	GTM961800P18030-T3	Identical to the basic model except for the model name and output rating(O/P: 30 Vdc, 6.0 A)



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	GTM961600P15024-T3A	Identical to the basic model except for the model name and inlet type and output rating(O/P: 24 Vdc, 6.25 A)
	GTM961600P16024-T3A	Identical to the basic model except for the model name and inlet type and output rating(O/P: 24 Vdc, 6.66 A)
	GTM961800P17024-T3A	Identical to the basic model except for the model name and inlet type and output rating(O/P: 24 Vdc, 7.08 A)
	GTM961800P18024-T3A	Identical to the basic model except for the model name and inlet type and output rating(O/P: 24 Vdc, 7.50 A)
	GTM961600P16025-T3A	Identical to the basic model except for the model name and inlet type and output rating(O/P: 25 Vdc, 6.40 A)
	GTM961800P18025-T3A	Identical to the basic model except for the model name and inlet type and output rating(O/P: 25 Vdc, 7.20 A)
	GTM961600P16026-T3A	Identical to the basic model except for the model name and inlet type and output rating(O/P: 26 Vdc, 6.15 A)
	GTM961800P18026-T3A	Identical to the basic model except for the model name and inlet type and output rating(O/P: 26 Vdc, 6.92 A)
	GTM961600P16027-T3A	Identical to the basic model except for the model name and inlet type and output rating(O/P: 27 Vdc, 5.92 A)
	GTM961800P18027-T3A	Identical to the basic model except for the model name and inlet type and output rating(O/P: 27 Vdc, 6.66 A)



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	GTM961600P16028-T3A	Identical to the basic model except for the model name and inlet type and output rating(O/P: 28 Vdc, 5.71 A)
	GTM961800P18028-T3A	Identical to the basic model except for the model name and inlet type and output rating(O/P: 28 Vdc, 6.42 A)
	GTM961600P16030-T3A	Identical to the basic model except for the model name and inlet type and output rating(O/P: 30 Vdc, 5.33 A)
	GTM961800P18030-T3A	Identical to the basic model except for the model name and inlet type and output rating(O/P: 30 Vdc, 6.0 A)
	GTM961800P18024-T3	Identical to the basic model except for the model name and output rating(O/P: 24 Vdc, 7.5 A)
	GTM961600P16024-T3	Identical to the basic model except for the model name and output rating(O/P: 24 Vdc, 6.66 A)



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2. 안전관리 부품 및 재질목록(List of Critical Components)

부품명(회로기호) Components(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 (Technical Data)	인증규격 (Certification)
Enclosure	SABIC INNOVATIVE PLASTICS B V	SE1X, SE1	PPE+ PS, Min. V-1, Min. thickness: 2.0mm, 105°C	UL
Alt.	SABIC INNOVATIVE PLASTICS B V	C2950	PC/ABS, Min. V-0, Min. thickness: 2.0mm, 105°C	UL
Alt.	SABIC INNOVATIVE PLASTICS B V	CX7211	PC/ABS, Min. V-0, Min. thickness: 2.0mm, 90°C	UL
Alt.	SABIC INNOVATIVE PLASTICS B V	945	PC, Min. V-0, Min. thickness: 2.0mm, 120°C	UL
Alt.	SABIC INNOVATIVE PLASTICS B V	HF500R	PC, V-0, Min. thickness: 2.0mm, 125°C	UL
Alt.	SABIC JAPAN L L C	SE1X, SE1	PPE+ PS, Min. V-1, Min. thickness: 2.0mm, 105°C	UL
Alt.	SABIC JAPAN L L C	C2950	PC/ABS, Min. V-0, Min. thickness: 2.0mm, 105°C	UL
Alt.	SABIC JAPAN L L C	CX7211	PC/ABS, Min. V-0, Min. thickness: 2.0mm, 90°C	UL
Alt.	SABIC JAPAN L L C	945	PC, Min. V-0, Min. thickness: 2.0mm, 120°C	UL
Alt.	SABIC JAPAN L L C	HF500R	PC, V-0, Min. thickness: 2.0mm, 125°C	UL
Alt.	COVESTRO DEUTSCHLAN D AG [PC RESINS]	6485+	PC, V-0, Min. thickness: 2.0mm, 115°C	UL
Alt.	TEIJIN CHEMICALS LTD	LN-1250P LN-1250G	PC, Min. V-0, Min. thickness: 2.0mm, 115°C	UL
Mylar Insulating Sheet	TORAY INDUSTRIES INC	Lumirror H10	VTM-2, min. 0.4 mm thickness, 105°C	UL
Alt.	SKC CO LTD	SH71S	VTM-2, min. 0.4 mm thickness, 105°C	UL
Alt.	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	UL

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Alt.	SABIC INNOVATIVE PLASTICS US L L C	FR60 series	V-0, min. 0.4 mm thickness, 130°C	UL
Alt.	SABIC INNOVATIVE PLASTICS US L L C	FR63 series	V-0, min. 0.4 mm thickness, 130°C	UL
Alt.	SABIC INNOVATIVE PLASTICS US L L C	FR65 series	V-0, min. 0.4 mm thickness, 130°C	UL
Alt.	SABIC INNOVATIVE PLASTICS US L L C	FR7 series	V-0, min. 0.4 mm thickness, 130°C	UL
Alt.	SABIC INNOVATIVE PLASTICS US L L C	FR700 series	V-0, min. 0.4 mm thickness, 130°C	UL
Alt.	CHENGDU KANGLONGXI N PLASTICS CO LTD	KLX PP WT-10 series	VTM-0, min. 0.4 mm thickness, 110°C	UL
Alt.	SICHUAN LONGHUA FILM CO LTD	PP-(i)(j)	V-0, min. 0.4 mm thickness, 105°C	UL
Appliance Inlet(CN1)	Zhejiang LECI Electronics	DB-6	250 Vac; 2.5A; 3 pins, 75°C, C6 type	IEC
Alt.	Tecx-Unions Technology Corp	TU-333	250 Vac; 2.5A; 3 pins, 75°C, C6 type	IEC
Alt.	Rich Bay Co Ltd	R-30790	250 Vac; 2.5A; 3 pin, 75°C, C6 type	IEC
Alt.	Sun Fair Electric Wire & Cable (HK) Co Ltd	S-02	250 Vac; 2.5A; 3 pins, 75°C, C6 type	IEC
Alt.	DLK Electronics Technology Co Ltd	CDJ-2	250 Vac; 2.5A; 3 pins, 75°C, C6 type	IEC
Alt.	Inalways Corp.	0724	250 Vac; 2.5A; 3 pins, 75°C, C6 type	IEC
Alt.	Zhe Jiang BeiErjia	ST-A04-002	250 Vac; 2.5A; 3 pins, 75°C, C6 type	IEC
Alt.	Rong Feng IndustrialCo., Ltd.	RF-190	250 Vac; 2.5A; 3 pins, 75°C, C6 type	IEC
Alt.	Zhejiang LECI Electronics	DB-14	250 Vac; 10A; 3 pins, 75°C, C14 type	IEC

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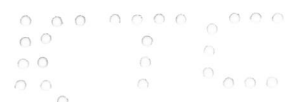
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Alt.	Tecx-Unions Technology Corp	TU-301-S TU-301-SP	250 Vac; 10A; 3 pins, 75°C, C14 type	IEC
Alt.	Rich Bay Co Ltd	R-301SN	250 Vac; 10A; 3 pins, 75°C, C14 type	IEC
Alt.	Sun Fair Electric Wire & Cable (HK) Co Ltd	SS-120	250 Vac; 10A; 3 pins, 75°C, C14 type	IEC
Alt.	Inalways Corp.	0711	250 Vac; 10A; 3 pins, 75°C, C14 type	IEC
Alt.	Zhe Jiang BeiErjia	ST-A01-003J	250 Vac; 10A; 3 pins, 75°C, C14 type	IEC
Alt.	Rong Feng IndustrialCo., Ltd.	SS-120	250 Vac; 10A; 3 pins, 75°C, C14 type	IEC
PCB	WALEX ELECTRONIC (WUXI) CO LTD	T2 T2A T2B T4	Min. 1.6 mm thickness, min. V-0, 130°C	UL
Alt.	YUANMAN PRINTED CIRCUIT CO LTD	1V0	Min. 1.6 mm thickness, min. V-0, 130°C	UL
Alt.	SUZHOU XINKE ELECTRONIC S CO LTD	XK-2 XK-1	Min. 1.6 mm thickness, min. V-0, 130°C	UL
Alt.	DONGGUAN HE TONG ELECTRONIC S CO LTD	CEM1 2V0 FR4	Min. 1.6 mm thickness, min. V-0, 130°C	UL
Alt.	KUNSHAN CITY HUA SHENG CIRCUIT BOARD CO LTD	HS-S	Min. 1.6 mm thickness, min. V-0, 130°C	UL
Alt.	CHEERFUL ELECTRONIC (HK) LTD	02 03 03A	Min. 1.6 mm thickness, min. V-0, 130°C	UL
Alt.	JIANGSU DIFEIDA ELECTRONIC S CO LTD	DFD-1	Min. 1.6 mm thickness, min. V-0, 130°C	UL
Alt.	DONGGUAN DAYSUN ELECTRONIC CO LTD	DS2	Min. 1.6 mm thickness, min. V-0, 130°C	UL
Alt.	SUZHOU CITY YILIHUA ELECTRONIC S CO LTD	YLH-1	Min. 1.6 mm thickness, min. V-0, 130°C	UL

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Alt.	DAFENG AREX ELECTRONIC S TECHNOLOGY CO LTD	02V0 03V0 04V0	Min. 1.6 mm thickness, min. V-0, 130°C	UL
Alt.	BRITE PLUS ELECTRONIC S (SUZHOU) CO LTD	DKV0-3A DGV0-3A	Min. 1.6 mm thickness, min. V-0, 130°C	UL
Alt.	KUOTIANG ENT LTD	C-2 C-2A	Min. 1.6 mm thickness, min. V-0, 130°C	UL
Alt.	SHENZHEN TONGCHUAN GXIN ELECTRONIC S CO LTD	TCX	Min. 1.6 mm thickness, min. V-0, 130°C	UL
Alt.	PACIFIC WIN INDUSTRIAL LTD	PW-02 PW-03	Min. 1.6 mm thickness, min. V-0, 130°C	UL
Alt.	SHANGHAI HFAST ELECTRONIC S CO LTD	211001	Min. 1.6 mm thickness, min. V-0, 130°C	UL
Fuse (F1, F2) (F2 optional)	Conquer Electronics Co., Ltd.	MST series	T4AL, 250VAC	IEC
Alt.	Ever Island Electric Co., Ltd. And Walter Electric	2010	T4AL, 250VAC	IEC
Alt.	Zhongshan Lanbao Electrical Appliances Co., Ltd.	RTI-10 Serie(s)	T4AL, 250VAC	IEC
Alt.	Bel Fuse Ltd.	RST-Serie(s)	T4AL, 250VAC	IEC
Alt.	Cooper Bussmann LLC	SS-5	T4AL, 250VAC	IEC
Alt.	Dongguan Better	932	T4AL, 250VAC	IEC
Alt.	Shenzhen Lanson Electronics Co. Ltd.	SMT	T4AL, 250VAC	IEC
Alt.	Conquer Electronics Co., Ltd.	MET series	T4AL, 250VAC	IEC
X capacitor (CX1)	Cheng Tung Industrial Co., Ltd.	CTX	Max 0.47μF, Min.300V,105°C X1 or X2	IEC

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Alt.	Tenta Electric Industrial Co. Ltd.	MEX	Max 0.47 μ F, Min.250V,100°C X1 or X2	IEC
Alt.	JOEY ELECTRONIC S (DONG GUAN) CO LTD	MPX	Max 0.47 μ F, Min.300V,110°C X1 or X2	IEC
Alt.	Ultra Tech Xiphi Enterprise Co. Ltd.	HQX	Max 0.47 μ F, Min.250V,110°C X1 or X2	IEC
Alt.	Yuan Yu Electronics Co. Ltd.	MPX	Max 0.47 μ F, Min.250V,100°C X2	IEC
Alt.	Sinhua Electronics (Huzhou) Co., Ltd.	MPX	Max 0.47 μ F, Min.300V,110°C X1 or X2	IEC
Alt.	Jiangsu Xinghua Huayu Electronics Co., Ltd.	MPX	Max 0.47 μ F, Min.250V,100°C X2	IEC
Alt.	Dain Electronics Co., Ltd.	MEX	Max 0.47 μ F, Min.250V,110°C X1 or X2	IEC
Alt.	Dain Electronics Co., Ltd.	MPX	Max 0.47 μ F, Min.250V,110°C X1 or X2	IEC
Alt.	Dain Electronics Co., Ltd.	NPX	Max 0.47 μ F, Min.250V,110°C X1 or X2	IEC
Alt.	Shenzhen Jinghao Capacitor Co., Ltd.	CBB62B	Max 0.47 μ F, Min.250V,110°C X2	IEC
Alt.	Xiangtai Electronic (Shenzhen) Co., Ltd.	MKP	Max 0.47 μ F, Min.250V,110°C X1 or X2	IEC
Alt.	Xiangtai Electronic (Shenzhen) Co., Ltd.	MPX	Max 0.47 μ F, Min.250V,110°C X1 or X2	IEC
Alt.	Carli Electronics Co., Ltd.	MPX	Max 0.47 μ F, Min.250V,100°C X2	IEC
Y capacitor (CY1, CY2) (Optional)	TDK Corporation	CD	Y1, AC250V, max. 2200pF	IEC
Alt.	Success Electronics Co., Ltd.	SE	Y1, AC250V, max. 2200pF	IEC
Alt.	Success Electronics Co., Ltd.	SB	Y1, AC250V, max. 2200pF	IEC
Alt.	Murata Mfg. Co., Ltd.	KX	Y1, AC250V, max. 2200pF	IEC

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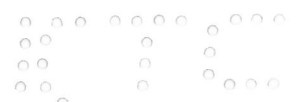
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Alt.	Walsin Technology Corp.	AH	Y1, AC250V, max. 2200pF	IEC
Alt.	Haohua Electronic Co.	CT7	Y1, AC250V, max. 2200pF	IEC
Alt.	Xiangtai Electronic (Shenzhen) Co., Ltd.	YO-series	Y1, AC250V, max. 2200pF	IEC
Alt.	JUHONG ELECTRONIC S LTD	JB- series	Y1, AC250V, max. 2200pF	IEC
Alt.	JYA-NAY Co., Ltd.	JN	Y1, AC250V, max. 2200pF	IEC
Alt.	Jyh Chung Electronic Co., Ltd.	JD	Y1, AC250V, max. 2200pF	IEC
Alt.	WELSON INDUSTRIAL CO LTD	WD	Y1, AC250V, max. 2200pF	IEC
Transformer (T1)	GlobTek / BOAM / HAOPUWEI	TF087(24.0-31.9V)	Class B	-
-Tripleinsulated wire (Secondary)	Great Leoflon Industrial Co., Ltd.	TRW (B) Serie(s)	Class B, reinforced insulation	VDE, UL
Alt.	COSMOLINK CO. Ltd.	TIW-M Serie(s)	Class B, reinforced insulation	VDE, UL
Alt.	Furukawa Electric Co., Ltd. Electronics & Automotive Systems Company Global Business Development Division	TEX-E	Class B, reinforced insulation	VDE, UL
Alt.	TOTOKU ELECTRIC CO LTD	TIW-2	Reinforced insulation, rated 130° C (Class B)	VDE, UL
Alt.	E&B TECHNOLOGY CO LTD	E&B-XXXB E&B-XXXB-1	Reinforced insulation, Class B	VDE, UL
Alt.	CHANGYUAN ELECTRONIC S (SHENZHEN) CO LTD	CB-TIW	Reinforced insulation, Class B	UL
Alt.	SHENZHEN JIUDING NEW MATERIAL CO LTD	DTIW-B	Reinforced insulation, Class B	VDE, UL

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(Certificate No)

접수번호: 20211118 - 0003
(Receipt No)

부품명(회로기호) Components(Part no.)	제조사(상표명) Manufacturer (Brand)	모델명(형식) Model (Type)	정격 또는 특성 (Technical Data)	인증규격 (Certification)
-Bobbin	CHANG CHUN PLASTICS CO LTD	T375J T375HF	V-0, 150°C, thickness 0.45 mm min.	UL
Alt.	CHANG CHUN PLASTICS CO LTD	4130	V-0, 140°C, thickness 0.74 mm min.	UL
Alt.	SUMITOMO BAKELITE CO LTD	PM-9820	V-0, 150°C, thickness 0.45 mm min.	UL
Alt.	HITACHI CHEMICAL CO LTD	CP-J-8800	V-0, 150°C, thickness 0.45 mm min.	UL
Varistor(MOV1)(Op	Thinking Electronic Industrial Co., Ltd.	TVR10471K	Max. Continuous voltage: min. 300Vac, Operating temperature: -40~+ 105°C, Combination pulse current: min. 2500A	VDE, UL
Alt.	Thinking Electronic Industrial Co., Ltd.	TVR14471K	Max. Continuous voltage: min. 300Vac, Operating temperature: -40~+ 105°C, Combination pulse current: min. 4500A	VDE, UL
Alt.	CENTRA SCIENCE CORP	CNR-10D471K	Max. Continuous voltage: min. 300Vac, Operating temperature: -40~+ 105°C, Combination pulse current: min. 2500A	VDE, UL
Alt.	CENTRA SCIENCE CORP	CNR-14D471K	Max. Continuous voltage: min. 300Vac, Operating temperature: -40~+ 105°C, Combination pulse current: min. 4500A	VDE, UL
Alt.	SUCCESS ELECTRONIC S CO LTD	SVR10D471K	Max. Continuous voltage: min. 300Vac, Operating temperature: -40~+ 105°C, Combination pulse current: min. 3500A	VDE, UL
Alt.	SUCCESS ELECTRONIC S CO LTD	SVR14D471K	Max. Continuous voltage: min. 300Vac, Operating temperature: -40~+ 105°C, Combination pulse current: min. 6000A	VDE, UL
Alt.	Lien Shun Electronics Co., Ltd.	10D471K	Max. Continuous voltage: min. 300Vac, Operating temperature: -40~+ 105°C, Combination pulse current: min. 3500A	VDE, UL

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부품명(회로기호) Components(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 (Technical Data)	인증규격 (Certification)
Alt.	Lien Shun Electronics Co., Ltd.	14D471K	Max. Continuous voltage: min. 300Vac, Operating temperature: -40~+ 105°C, Combination pulse current: min. 6000A	VDE, UL
Alt.	CERAMATE TECHNICAL CO LTD	GNR10D471K	Max. Continuous voltage: min. 300Vac, Operating temperature: -40~+ 105°C, Combination pulse current: min. 3500A	VDE, UL
Alt.	CERAMATE TECHNICAL CO LTD	GNR14D471K	Max. Continuous voltage: min. 300Vac, Operating temperature: -40~+ 105°C, Combination pulse current: min. 6000A	VDE, UL
Alt.	BRIGHTKING (SHENZHEN) CO LTD	14D471K	Max. Continuous voltage: min. 300Vac, Operating temperature: -40~+ 105°C, Combination pulse current: min. 6000A	VDE, UL
Alt.	BRIGHTKING (SHENZHEN) CO LTD	10D471K	Max. Continuous voltage: min. 300Vac, Operating temperature: -40~+ 105°C, Combination pulse current: min. 3500A	VDE, UL
Alt.	JOYIN CO LTD	10N471K	Max. Continuous voltage: min. 300Vac, Operating temperature: -40~+ 125°C, Combination pulse current: min. 2500A	VDE, UL
Alt.	JOYIN CO LTD	14N471K	Max. Continuous voltage: min. 300Vac, Operating temperature: -40~+ 125°C, Combination pulse current: min. 4500A	VDE, UL
Photo coupler (U4)	Everlight Electronics Co., Ltd.	EL817	Dti=0.5mm Int. , dcr=6.0mm EXT.dcr=7.7mm, thermal cycling test,110°C Reinforced insulation	VDE
Alt.	COSMO ELECTRONIC S CORP	K1010	Dti=0.6mm Int. , dcr=4.0mm EXT.dcr=5.0mm, thermal cycling test,115°C Reinforced insulation	VDE
Alt.	COSMO Electronics Corporation	KP1010	Dti=0.6mm Int. , dcr=4.0mm EXT.dcr=5.0mm, thermal cycling test,115°C Reinforced insulation	VDE

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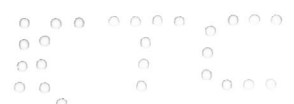
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부품명(회로기호) Components(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 (Technical Data)	인증규격 (Certification)
Alt.	Lite-On Technology Corporation	LTV-817	Dti=0.8mm Int. , EXT.dcr=7.8mm, thermal cycling test,110°C Reinforced insulation	VDE
Alt.	Fairchild Semiconductor Pte Ltd	H11A817B	Insulation voltage: 850V; Transient overvoltage: 6000V; CTI175; Int. Cr/ Ext. Cr: ≥7.0/ 7.0 mm; 30/110/21 Reinforced insulation	VDE
Alt.	Fairchild Semiconductor Pte Ltd	FOD817B	Insulation voltage: 850V; Transient overvoltage: 6000V; CTI175; Int. Cr/ Ext. Cr: ≥7.0/ 7.0 mm; 30/110/21 Reinforced insulation	VDE
Alt.	SHARP CORP ELECTRONIC COMPONENT S AND DEVICES BU	PC817	Insulation voltage: 890V; Transient overvoltage: 9000V Int. Cr/ Ext. Cr: 7.62/ 7.62 mm; 30/110/21 Reinforced insulation	VDE
Alt.	Bright Led Electronics Corp.	BPC-817 A/B/C/D/L	Dti=0.4mm EXT. dcr=7.0mm, thermal cycling test,110°C Reinforced insulation	VDE
Alt.	Bright Led Electronics Corp.	BPC-817 M	Dti=0.4mm EXT. dcr=7.0mm, thermal cycling test,110°C Reinforced insulation	VDE
Alt.	Bright Led Electronics Corp.	BPC-817 S	Dti=0.4mm EXT. dcr=7.0mm, thermal cycling test,110°C Reinforced insulation	VDE
Alt.	TOSHIBA ELECTRONIC DEVICES & STORAGE CORPORATIO N	TLP781F	Dti > 0.4mm, Ext cr > 8.0mm, Isolation 3000Vac min., 110°C min., Thermal cycling test Reinforced insulation	VDE



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3. 전기용품안전인증의 변경현황(Status of Certificate Revisions)

일자(Date)	발급현황(Status of issues)
	변경내용(Modification of Contents)
2021/11/04	기본+파생모델등록(Basic + Series Model)
2021/12/04	파생모델등록(Series Model)

4. 기타(Carefully Informed Note)

- 1) 안전관리부품 및 재질목록에 기재된 사항은 안전에 직접적인 영향을 주는 부분이므로 내용을 변경 또는 복수등재를 원하는 경우 안전인증변경신청 또는 안전확인변경신고를 하여야 합니다. 안전인증변경신청 또는 안전확인변경신고를 하지 않고 임의로 변경하는 경우에는 전기용품 및 생활용품 안전관리법에 따라 행정조치 될 수 있습니다.

The certificate holder should apply for a revision of the certificate if the registered critical components are to be changed, modified or alternated. Should the contents of Certificate are altered without the application for the modification, the administrative measures can occur according to the Electrical Appliances and Consumer Products Safety Control Act.

- 2) 정기검사(시료채취포함)를 거부, 방해 또는 기피하는 경우에는 전기용품 및 생활용품 안전관리법 제11조에 따라 안전인증이 취소될 수 있습니다.

If Follow-up Factory Inspection, including sampling representative model by 11 categories of the certified product at factory-site for re-testing, should not has been arranged by Certificate holder, Safety Certification(KC Mark) may be withdrawn according to the Article 11 of the Electrical Appliances and Consumer Products Safety Control Act.

- 3) 공장주소(전화번호포함), 대표자, 상호 및 부품변경, 신고인정보 등 안전인증 또는 안전확인신고의 내용이 변경되었을 때, 안전인증변경신청 또는 안전확인변경신고를 하지 않을 경우에는 전기용품 및 생활용품 안전관리법에 따라 행정조치 될 수 있습니다.

Should a factory address, president name, manufacturer name and critical component are altered without the application for the modification, the administrative measures can occur according to the Electrical Appliances and Customer Products Safety Control Act.

- 4) 조건부 인증사항 (Conditional certification items):

