



안전인증서 Safety Certificate

안전인증번호: HU10499-21050A
(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: GTM96300-2307.5-2.5-T3
(Basic Model)

파생모델명 (Series Model):

GTM96300-2007.5-2.5-R3A

GTM96300-2307.5-2.1-R3A

GTM96300-2307.5-R3A

GTM96300-2307.5-2.1-T3

GTM96300-2307.5-T3

GTM96300-2307.5-2.5-R3A

GTM96300-2307.5-1.55-R3A

GTM96300-2007.5-2.5-T3

GTM96300-2307.5-1.55-T3

이면기재

정격/안전기준상의 모델구분: 100-240 V~, 50-60 Hz, 1.0 A (O/P: 5.0 Vdc, 4.5 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

2021 년 12 월 23 일
(Year) (Month) (Day)



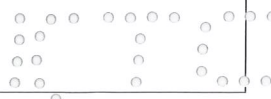
한국기계전기전자시험연구원
Korea Testing Certification Institute



※ 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)





GTM96300-2007.5-2.5-T3A
GTM96300-2307.5-2.1-T3A
GTM96300-2307.5-T3A



GTM96300-2307.5-2.5-T3A
GTM96300-2307.5-1.55-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 apparatus designed to be used for converting AC main voltage to DC low voltage.
내부구조 (Internal construction)	The apparatus consists of Switching transformer, rectifying part etc.
외부구조 (External construction)	Providing with plastic enclosure having min. V-1 flammability and appliance inlet.
기타 (Others)	Class I

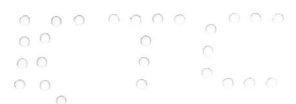
1.2 전기용품의 표시: 전기용품 및 생활용품 안전관리법 시행규칙 제20조(안전인증의 표시)에 따라 표시한다.

(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)	GTM96300-2307.5-2.5-T3 100-240 V~, 50-60 Hz, 1.0 A (O/P: 5.0 Vdc, 4.5 A)	
파생모델 (Series model)	GTM96300-2007.5-2.5-R3A	Model name, enclosure type and output rating (O/P: 5 Vdc, 4 A)
	GTM96300-2307.5-2.5-R3A	Model name and enclosure type
	GTM96300-2307.5-2.1-R3A	Model name, enclosure type and output rating (O/P: 5.4 Vdc, 4.16 A)
	GTM96300-2307.5-1.55-R3A	Model name, enclosure type and output rating (O/P: 5.95 Vdc, 3.78 A)
	GTM96300-2307.5-R3A	Model name, enclosure type and output rating (O/P: 7.5 Vdc, 3 A)

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	GTM96300-2007.5-2.5-T3	Model name and output rating (O/P: 5 Vdc, 4 A)
	GTM96300-2307.5-2.1-T3	Model name and output rating (O/P: 5.4 Vdc, 4.16 A)
	GTM96300-2307.5-1.55-T3	Model name and output rating (O/P: 5.95 Vdc, 3.78 A)
	GTM96300-2307.5-T3	Model name and output rating (O/P: 7.5 Vdc, 3 A)
	GTM96300-2007.5-2.5-T3A	Model name, C6 AC inlet and output rating (O/P: 5 Vdc, 4 A)
	GTM96300-2307.5-2.5-T3A	Model name and C6 AC inlet
	GTM96300-2307.5-2.1-T3A	Model name, C6 AC inlet and output rating (O/P: 5.4 Vdc, 4.16 A)
	GTM96300-2307.5-1.55-T3A	Model name, C6 AC inlet and output rating (O/P: 5.95 Vdc, 3.78 A)
	GTM96300-2307.5-T3A	Model name, C6 AC inlet and output rating (O/P: 7.5 Vdc, 3.0 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)
PCB	WALEX ELECTRONIC (WUXI) CO LTD	T2, T2A, T2B T4	Min. 1.6 mm thickness, min. V-0, 130°C	UL
Alt.	DONGGUAN HE TONG ELECTRONICS CO LTD	CEM1 2V0 FR4	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.	DONGGUAN DAYSUN ELECTRONIC CO LTD	DS2	Min. 1.6 mm thickness, min. V-0, 130°C	UL
Alt.	SUZHOU CITY YILIHUA ELECTRONICS CO LTD	YLH-1	Min. 1.6 mm thickness, min. V-0, 130°C	UL
Alt.	DAFENG AREX ELECTRONICS TECHNOLOGY CO LTD	02V0 04V0 03V0	Min. 1.6 mm thickness, min. V-0, 130°C	UL
Alt.	BRITE PLUS ELECTRONICS (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 TONGCHUANGXI N ELECTRONICS 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.	YUANMAN PRINTED CIRCUIT CO LTD	1V0	Min. 1.6 mm thickness, min. V-0, 130°C	UL
Alt.	SUZHOU XINKE ELECTRONICS CO LTD	XK-1 XK-2 XK-3	Min. 1.6 mm thickness, min. V-0, 130°C	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.	KUNSHAN CITY HUA SHENG CIRCUIT BOARD CO LTD	HS-S	Min. 1.6 mm thickness, min. V-0, 130°C	UL
Alt.	JIANGSU DIFEIDA ELECTRONICS CO LTD	DFD-1	Min. 1.6 mm thickness, min. V-0, 130°C	UL
Alt.	HUIZHOU SHUNJIA ELECTRONICS CO LTD	SJ-B	Min. 1.6 mm thickness, min. V-0, 130°C	UL
Alt.	SHANGHAI HFAST ELECTRONICS CO LTD	211001	Min. 1.6 mm thickness, min. V-0, 130°C	UL
Alt.	JIANGXI ZHONG XIN HUA ELECTRONICS INDUSTRY CO LTD	ZXH-1 ZXH-2 ZXH-3	Min. 1.6 mm thickness, min. V-0, 130°C	UL
Fuse (F1, F2) (F2 is optional)	Conquer Electronics Co., Ltd.	MST series	T3.15A, 250V	IEC
Alt.	Ever Island Electric Co., Ltd. And Walter Electric	2010, ICP	T3.15A, 250V	IEC
Alt.	Bel Fuse Ltd.	RST-Serie(s)	T3.15A, 250V	IEC
Alt.	Cooper Bussmann LLC	SS-5	T3.15A, 250V	IEC
Alt.	Shenzhen Lanson Electronics Co. Ltd.	SMT	T3.15A, 250V	IEC
Alt.	Dongguan Better Electronics Technology Co., Ltd.	932	T3.15A, 250V	IEC
Alt.	Hollyland Company Limited	5ET	T3.15A, 250V	IEC
Alt.	Sunny East Enterprise Co. Ltd.	CFD-Serie(s)	T3.15A, 250V	IEC
Alt.	Conquer Electronics Co., Ltd.	MET series	T3.15A, 250V	IEC

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Alt.	Zhongshan Lanbao Electrical Appliances Co., Ltd.	RTI-10 Serie(s)	T3.15A, 250V	IEC
Y capacitor (CY1, CY2) (Optional)	TDK-EPC Corporation, Capacitors Group Circuit Devices Business Group	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
Alt.	Walsin Technology Corp.	AH	Y1, AC250V, max 2200pF,	IEC
Alt.	Haohua Electronic Co.	CT 7	Y1, AC250V, max 2200pF,	IEC
Alt.	Jyh Chung Electronic Co., Ltd.	JD	Y1, AC250V, max 2200pF,	IEC
X capacitor (CX1) (Optional)	Cheng Tung Industrial Co., Ltd.	CTX	Min. 300VAC, Max. 0.47 μ F, X1 or X2	IEC
Alt.	Tenta Electric Industrial Co. Ltd.	MEX	Min. 300VAC, Max. 0.47 μ F, X1 or X2	IEC
Alt.	Joey Electronics (Dong Guan) Co., Ltd.	MPX	Min. 300VAC, Max. 0.47 μ F, X1 or X2	IEC
Alt.	Ultra Tech Xiphi Enterprise Co. Ltd	HQX	Min. 300VAC, Max. 0.47 μ F, X1 or X2	IEC
Alt.	Yuon Yu Electronics Co. Ltd.	MPX	Min. 300VAC, Max. 0.47 μ F, X1 or X2	IEC
Alt.	Sinhua Electronics (Huzhou) Co., Ltd.	MPX	Min. 300VAC, Max. 0.47 μ F, X1 or X2	IEC
Alt.	Jiangsu Xinghua Huayu Electronics Co., Ltd.	MPX - Series	Min. 300VAC, Max. 0.47 μ F, X1 or X2	IEC
Alt.	Dain Electronics Co., Ltd.	MEX, MPX, NPX	Min. 300VAC, Max. 0.47 μ F, X1 or X2	IEC
Alt.	Shenzhen Jinghao Capacitor Co., Ltd.	CBB62B	Min. 300VAC, Max. 0.47 μ F, X1 or X2	IEC

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Photo coupler (U3)	Everlight Electronics Co., Ltd.	EL817	Dti=0.5mm Int. , dcr=6.0mm EXT.dcr=7.7mm, 55/110/21	IEC
Alt.	COSMO Electronics Corporation	K1010 / KP1010	Dti=0.6mm Int. , dcr=4.0mm EXT.dcr=5.0mm, 55/115/21	IEC
Alt.	Lite-On Technology Corporation	LTV-817	Dti=0.8mm Int. , EXT.dcr=7.8mm, 55/110/21	IEC
Alt.	Bright Led Electronics Corp.	BPC-817 A/B/C/D/L BPC-817 M BPC-817 S	Dti=0.4mm EXT.dcr=7.0mm, 30/110/21	IEC
Alt.	Toshiba Corporation Semiconductor & Storage Products Company	TLP781F	Dti > 0.4mm, Ext cr > 8.0mm, Isolation 6000Vac 55/115/21	IEC
Varistor (MOV1)	Thinking Electronic Industrial Co., Ltd.	TVR10471K, TVR14471K (UL E314979)	Max. Continuous voltage: min 300Vac(rms), 85°C; The coating is V-0	IEC
Alt.	Centra Science Corp.	10D471K, 14D471K	Max. Continuous voltage: min 300Vac(rms), 85°C; The coating is V-0	IEC
Alt.	Success Electronics Co., Ltd.	SVR10D471K SVR14D471K	Max. Continuous voltage: min 300Vac(rms), 85°C; The coating is V-0	IEC
Alt.	Walsin Technology Co., Ltd.	14D471K	Max. Continuous voltage: min 300Vac(rms), 85°C; The coating is V-0	IEC
Alt.	HuiZhou Lien Shun Electronic Co., Ltd	14D471K	Max. Continuous voltage: min 300Vac(rms), 85°C; The coating is V-0	IEC
Alt.	Ceramate Techn. Co., Ltd.	GNR10D471K GNR14D471K	Max. Continuous voltage: min 300Vac(rms), 85°C; The coating is V-0	IEC
Alt.	Brightking (Shenzhen) Co., Ltd.	14D471K 10D471K	Max. Continuous voltage: min 300Vac(rms), 85°C; The coating is V-0	IEC
Alt.	Joyin Co., Ltd.	JVR10N471K JVR14N471K	Max. Continuous voltage: min 300Vac(rms), 85°C; The coating is V-0	IEC
Appliance inlet CON1 Class I units (C6 type)	Zhejiang LECI Electronics Co., Ltd.	DB-6	2.5A, 250Vac	IEC

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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.	Rich Bay Co., Ltd.	R-30790	2.5A, 250Vac	IEC
Alt.	Sun Fair Electric Wire & Cable (HK)Co. Ltd.	S-02	2.5A, 250Vac	IEC
Alt.	TECX-UNIONS Technology Corporation	TU-333	2.5A, 250Vac	IEC
Alt.	Rong Feng Industrial Co., Ltd.	RF-190	2.5A, 250Vac	IEC
Alt.	Inalways Corporation	0724	2.5A, 250Vac	IEC
Alt.	Zhe Jiang Bei Er jia	ST-A04-002	2.5A, 250Vac	IEC
Alt.	Shenzhen Delikang Electronics Technology Co. Ltd.	CDJ-2	2.5A, 250Vac	IEC
Appliance inlet CON1 Class I units (C14 type)	Zhejiang LECI Electronics Co., Ltd.	DB-14	10A, 250Vac	IEC
Alt.	Rich Bay Co., Ltd.	R-301SN	10A, 250Vac	IEC
Alt.	Sun Fair Electric Wire & Cable (HK)Co. Ltd.	S-03	10A, 250Vac	IEC
Alt.	TECX-UNIONS Technology Corporation	TU-301-S, TU-301-SP	10A, 250Vac	IEC
Alt.	Rong Feng Industrial Co., Ltd.	SS-120	10A, 250Vac	IEC
Alt.	Inalways Corporation	0711	10A, 250Vac	IEC
Alt.	Zhe Jiang Bei Er jia	ST-A01-003J	10A, 250Vac	IEC
Line filter (LF1)	GlobTek/HAOPUW EI/HEJIA	LF007	17mH	-
Transformer (T1)	GlobTek / BOAM / HAOPUWEI / ENG	TF038	Class B	-
Enclosure	SABIC INNOVATIVE PLASTICS B V	SE1X, SE1	Min. V-1, Min. thickness:2.0mm, 105°C	UL
Alt.	SABIC INNOVATIVE PLASTICS B V	SE100	Min. V-1, Min. thickness:2.0mm, 95°C	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.	SABIC INNOVATIVE PLASTICS B V	C2950	Min. V-0, Min. thickness:2.0mm, 85°C	UL
Alt.	SABIC INNOVATIVE PLASTICS B V	CX7211 EXCY0098	Min. V-1, Min. thickness:2.0mm, 90°C	UL
Alt.	SABIC INNOVATIVE PLASTICS B V	945	Min. V-1, Min. thickness:2.0mm, 120°C	UL
Alt.	SABIC INNOVATIVE PLASTICS B V	HF500R	V-0, Min. thickness:2.0mm, 125°C	UL
Alt.	SABIC JAPAN L L C	SE1X, SE1	Min. V-1, Min. thickness:2.0mm, 105°C	UL
Alt.	SABIC JAPAN L L C	SE100	Min. V-1, Min. thickness:2.0mm, 95°C	UL
Alt.	SABIC JAPAN L L C	C2950	Min. V-0, Min. thickness:2.0mm, 85°C	UL
Alt.	SABIC JAPAN L L C	CX7211 EXCY0098	Min. V-0, Min. thickness:2.0mm, 90°C	UL
Alt.	SABIC JAPAN L L C	945	Min. V-0, Min. thickness:2.0mm, 120°C	UL
Alt.	SABIC JAPAN L L C	HF500R	V-0, Min. thickness:2.0mm, 125°C	UL
Alt.	TEIJIN CHEMICALS LTD	LN-1250P LN-1250G	Min. V-0, Min. thickness:2.0mm, 115°C	UL
Bleeder resistor (R1,R2)	VIKING TECH CORPORATION KAOSHIUNG BRANCH	HVR series	1MΩ, 1/4W	-
Alt.	FUTABA ELECTRIC CO LTD	RM series	1MΩ, 1/4W	-
IC(U1)	Power Forest	PF6116AG	SOT-26 65KHz	-

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3. 전기용품안전인증의 변경현황(Status of Certificate Revisions)

일자(Date)	발급현황(Status of issues)
	변경내용(Modification of Contents)
2021/12/23	기본+파생모델등록(Basic + Series Model)

4. 기타(Carefully Informed Note)

- 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.
- 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.
- 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.
- 조건부 인증사항 (Conditional certification items):



기술문서붙임자료

안전인증번호: HU10499-21050A

접수번호: 20210924-0001

No.1 표시사항

전기용품안전관리법에 의한 표시

안전인증번호(安全认证编号): HUXXXXXX-XXXXXX

제품명(产 品 名): 직류전원장치

모델명(型 号 名): GTM96300-2307.5-2.5-T3

정 격: (额 定) Input: 100-240V~, 50-60Hz, 1 A Output: 5.0Vdc, 4.5A

제조사(工 厂 名): GlobTek (Suzhou) Co.,Ltd.

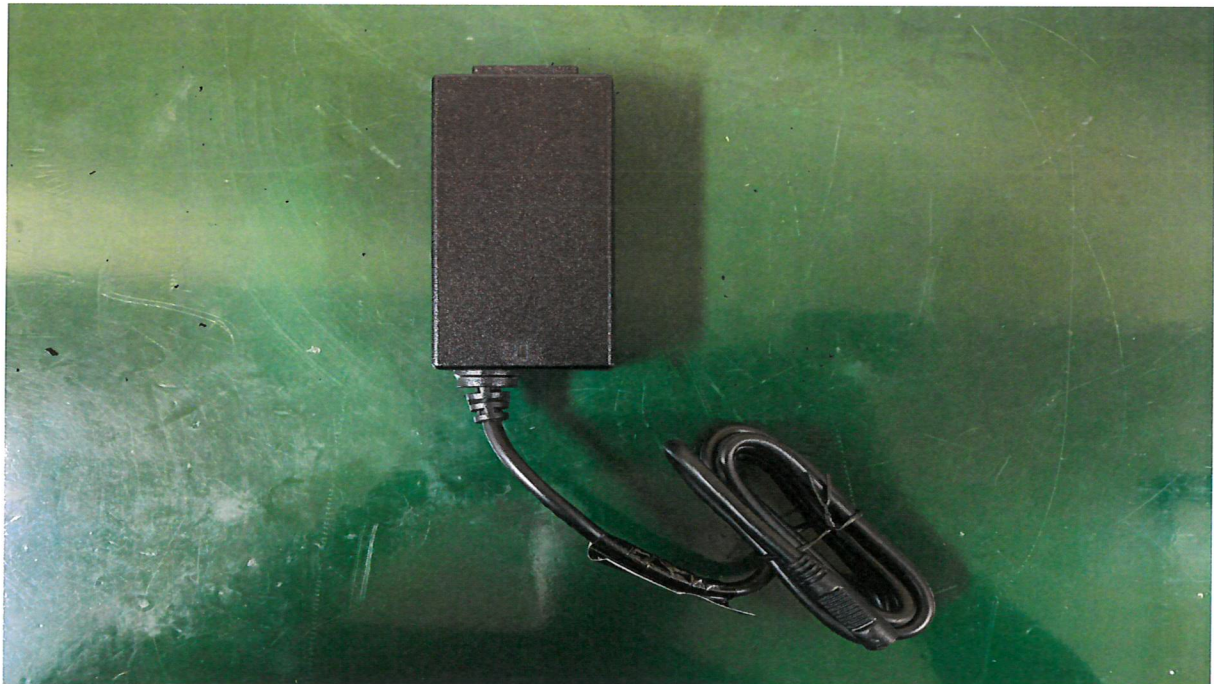
제 조 국(制 造 国): China

제조년월(制造年月): 2019/10

A/S 연락처(A/S 韩国售后服务联络处): 02-3451-3400



No.2 외부사진



기술문서붙임자료

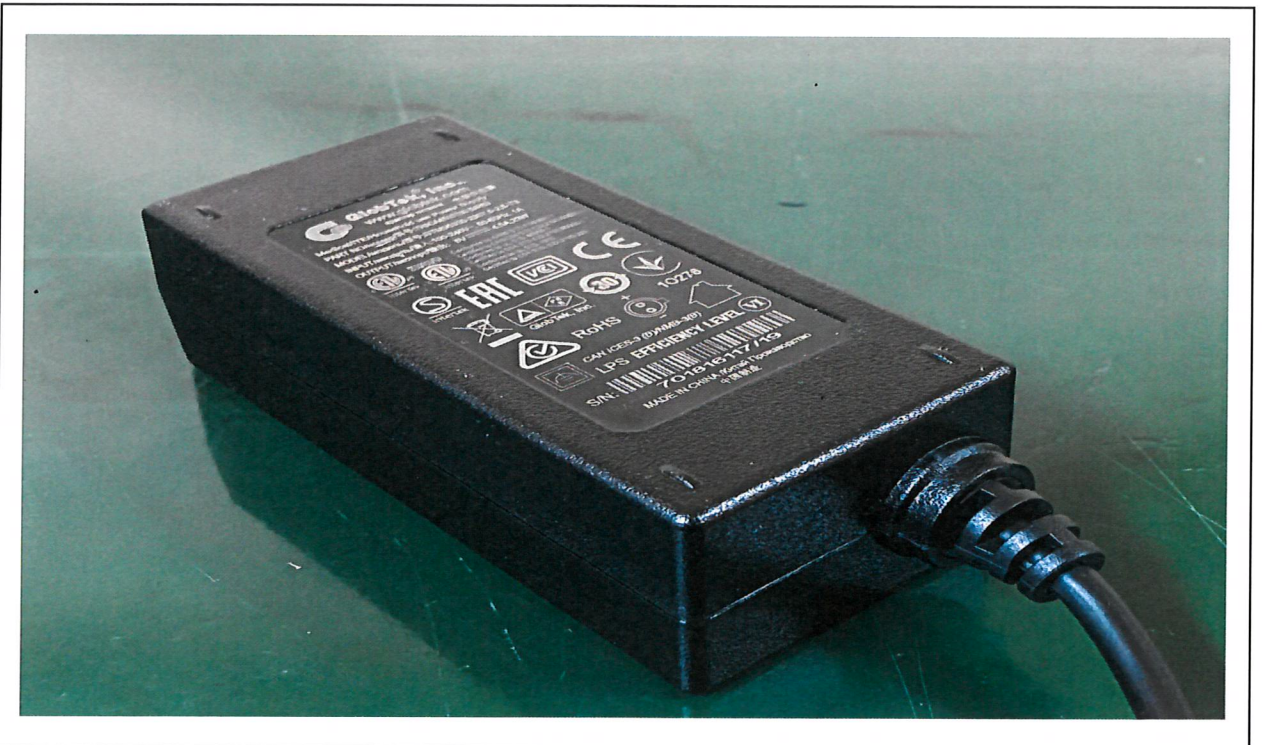
안전인증번호: HU10499-21050A

접수번호: 20210924-0001

No.3 외부사진



No.4 외부사진

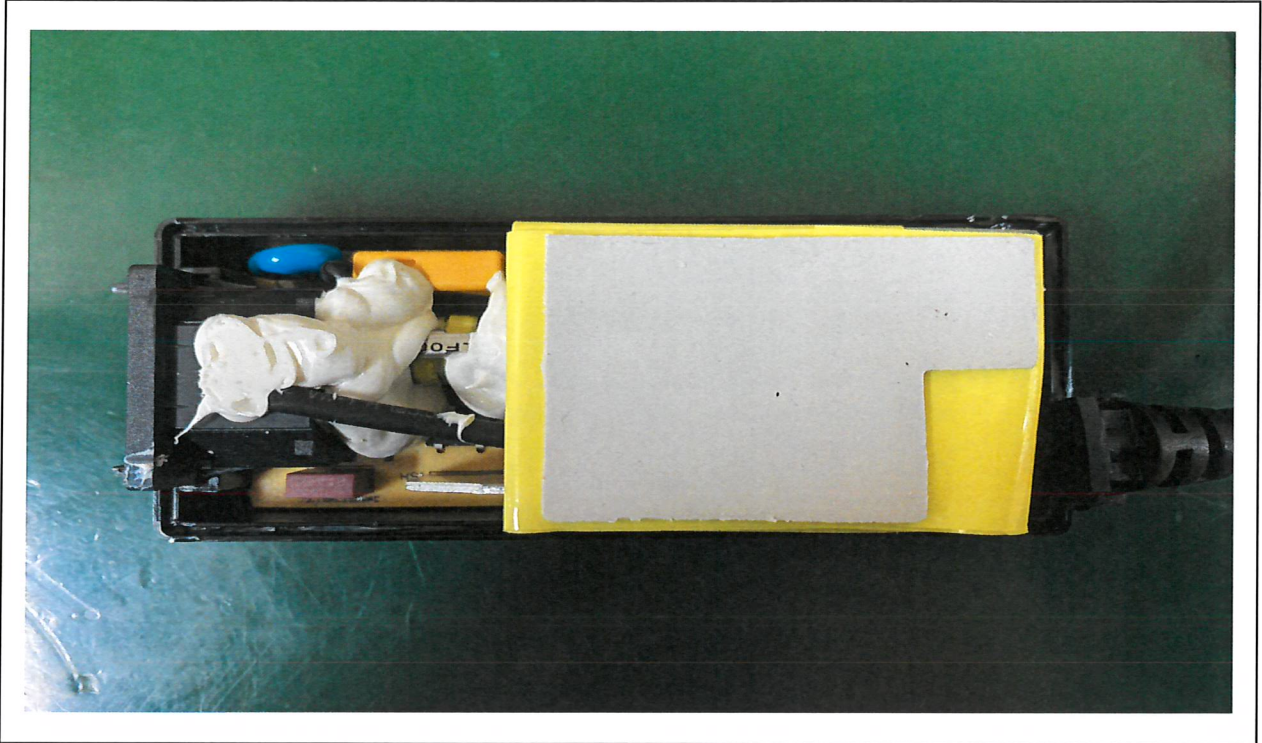


기술문서불임자료

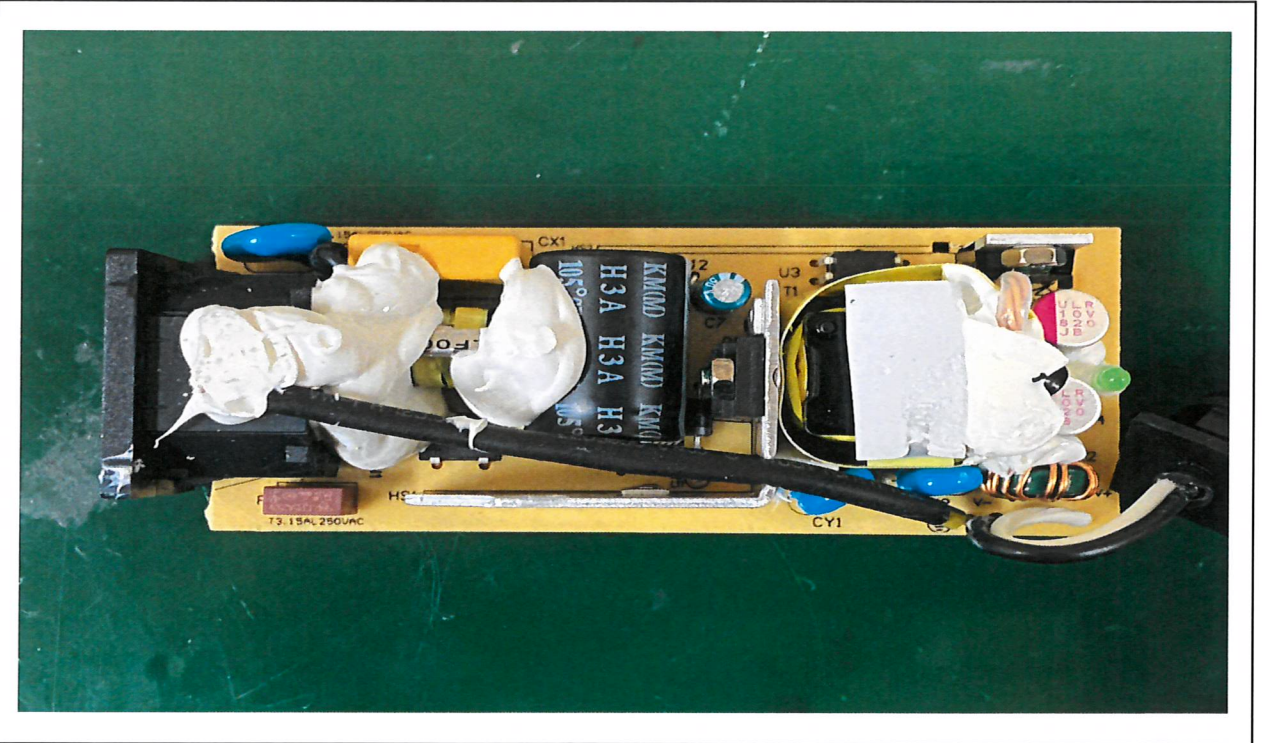
안전인증번호: HU10499-21050A

접수번호: 20210924-0001

No.5 내부사진



No.6 내부사진

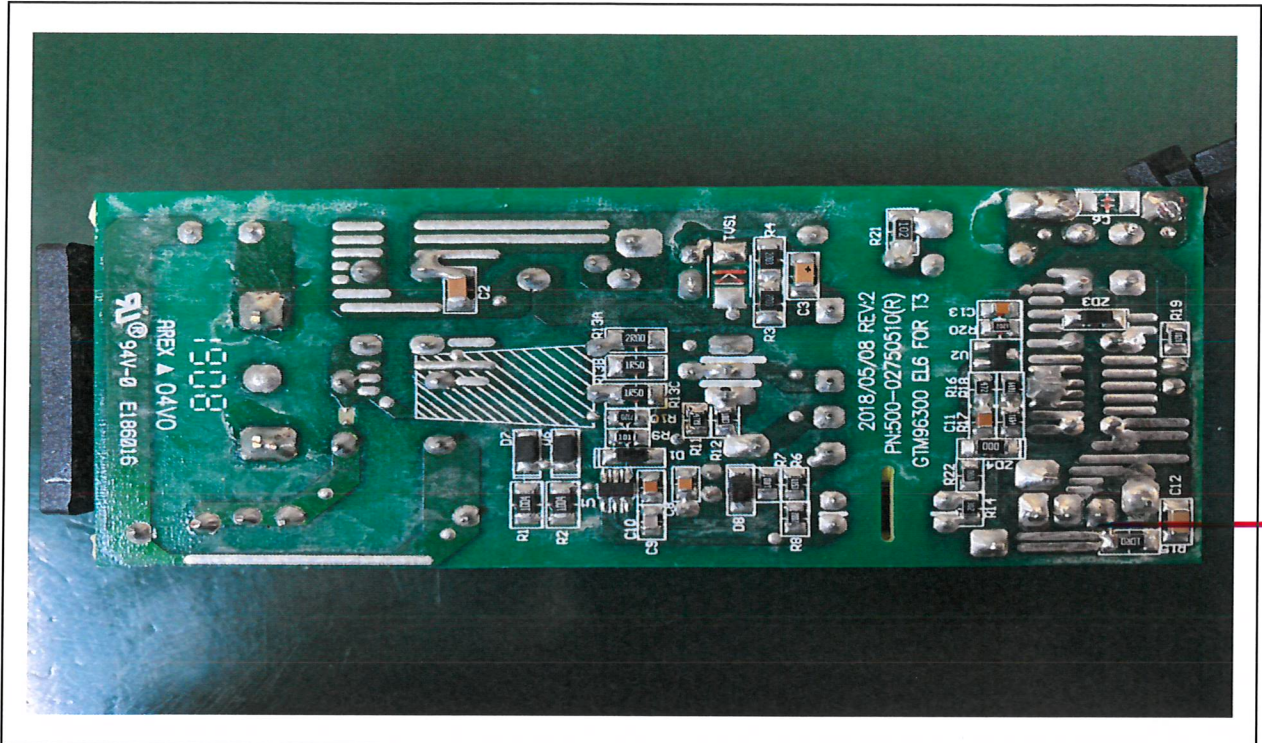


기술문서붙임자료

안전인증번호: HU10499-21050A

접수번호:20210924-0001

No.7 내부사진



No.8 C6 inlet type

