



안전인증서 Safety Certificate

안전인증번호: HU10499-21046A
(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: GTM961200P11012-T3
(Basic Model)

파생모델명 (Series Model):

GTM961200P10012-T3

GTM961200P10012-T3TAB

GTM961200P10013-T3A

GTM961200P10812-T3

GTM961200P10812-T3TAB

GTM961200P10012-T3A

GTM961200P10013-T3

GTM961200P10013-T3TAB

GTM961200P10812-T3A

이면기재

정격/안전기준상의 모델구분: 100-240 V~, 50-60 Hz, 1.5 A (O/P: 12.0 Vdc, 9.2 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 03 월 26 일
(Year) (Month) (Day)

한국기계전자시험연구원
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

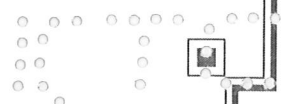
1. 전기용품의 안전관리부품 및 재질목록 (List of Critical Components)
2. 기본모델 · 파생모델의 내용 (Descriptions of the basic and series model)
3. 안전인증의 변경 현황 (Revisions Status)



GTM961200P10813-T3
GTM961200P10813-T3TAB
GTM961200P11012-T3TAB
GTM961200P9012-T3A
GTM961200P9013-T3
GTM961200P9013-T3TAB

GTM961200P10813-T3A
GTM961200P11012-T3A
GTM961200P9012-T3
GTM961200P9012-T3TAB
GTM961200P9013-T3A

KTC



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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 fire 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)	GTM961200P11012-T3 100-240 V~, 50-60 Hz, 1.5 A (O/P: 12.0 Vdc, 9.2 A)	
파생모델 (Series model)	GTM961200P9012-T3	Identical to basic model except for the model designation and output rating(12 Vdc, 7.5 A)
	GTM961200P9013-T3	Identical to basic model except for the model designation and output rating(13 Vdc, 6.92 A)
	GTM961200P10012-T3	Identical to basic model except for the model designation and output rating(12 Vdc, 8.33 A)
	GTM961200P10013-T3	Identical to basic model except for the model designation and output rating(13 Vdc, 7.69 A)

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GTM961200P10812-T3	Identical to basic model except for the model designation and output rating(12 Vdc, 9 A)
GTM961200P10813-T3	Identical to basic model except for the model designation and output rating(13 Vdc, 8.3 A)
GTM961200P9012-T3A	Identical to basic model except for the model designation, Appliance inlet(C6 type) and output rating(12 Vdc, 7.5 A)
GTM961200P9013-T3A	Identical to basic model except for the model designation, Appliance inlet(C6 type) and output rating(13 Vdc, 6.92 A)
GTM961200P10012-T3A	Identical to basic model except for the model designation, Appliance inlet(C6 type) and output rating(12 Vdc, 8.33 A)
GTM961200P10013-T3A	Identical to basic model except for the model designation, Appliance inlet(C6 type) and output rating(13 Vdc, 7.69 A)
GTM961200P10812-T3A	Identical to basic model except for the model designation, Appliance inlet(C6 type) and output rating(12 Vdc, 9 A)
GTM961200P10813-T3A	Identical to basic model except for the model designation, Appliance inlet(C6 type) and output rating(13 Vdc, 8.3 A)
GTM961200P11012-T3A	Identical to basic model except for the model designation, Appliance inlet(C6 type) and output rating(12 Vdc, 9.2 A)
GTM961200P9012-T3TAB	Identical to basic model except for the model designation, Appliance inlet(C14 type), Enclosure housing with a tab and output rating(12 Vdc, 7.5 A)



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GTM961200P9013-T3TAB	Identical to basic model except for the model designation, Appliance inlet(C14 type), Enclosure housing with a tab and output rating(13 Vdc, 6.92 A)
GTM961200P10012-T3TAB	Identical to basic model except for the model designation, Appliance inlet(C14 type), Enclosure housing with a tab and output rating(12 Vdc, 8.33 A)
GTM961200P10013-T3TAB	Identical to basic model except for the model designation, Appliance inlet(C14 type), Enclosure housing with a tab and output rating(13 Vdc, 7.69 A)
GTM961200P10812-T3TAB	Identical to basic model except for the model designation, Appliance inlet(C14 type), Enclosure housing with a tab and output rating(12 Vdc, 9 A)
GTM961200P10813-T3TAB	Identical to basic model except for the model designation, Appliance inlet(C14 type), Enclosure housing with a tab and output rating(13 Vdc, 8.3 A)
GTM961200P11012-T3TAB	Identical to basic model except for the model designation, Appliance inlet(C14 type), Enclosure housing with a tab and output rating(12 Vdc, 9.2 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 (all parts)	SABIC INNOVATIVE PLASTICS B V	SE1X(GG)(f1), SE1	PPE+ PS, Min. V-1, Min. thickness: 2.0mm, 105 ℃	UL
Enclosure (all parts) (alt)	SABIC INNOVATIVE PLASTICS B V	SE100	PPE+ PS, Min. V-1, Min. thickness: 2.5mm, 65 ℃	UL
Enclosure (all parts) (alt)	SABIC INNOVATIVE PLASTICS B V	945(GG)	PC, V-0, Min. thickness: 2.0mm, 120 ℃	UL
Enclosure (all parts) (alt)	SABIC INNOVATIVE PLASTICS B V	HF500R(f2)	PC, V-0, Min. thickness: 2.0mm, 125 ℃	UL
Enclosure (all parts) (alt)	TEIJIN LIMITED RESIN AND PLASTIC	LN-1250P(#)(f1), LN-1250G(#)(*)	PC, V-0, Min. thickness: 2.0mm, 115 ℃	UL
Appliance inlet (CN1) (C14 type for T3, T3TAB type)	Leci Electronics Co., Ltd	DB-14	10 A, 250 Vac	KC
Appliance inlet (CN1) (C14 type for T3, T3TAB type) (alt)	Tecx-Unions Technology (ShenZhen) Co., Ltd	TU-301-S, TU-301-SP	10 A, 250 Vac	KC
Appliance inlet (CN1) (C6 type for T3A type)	Leci Electronics Co., Ltd	DB-6	2.5 A, 250 Vac	KC
PCB	WALEX ELECTRONIC(WUX LTD	T2, T2A, T2B, T4	V-0, 130 ℃	UL
PCB (alt)	Guangdong Hetong Technology Co Ltd	CEM1, 2V0, FR4	V-0, 130 ℃	UL
PCB (alt)	CHEERFUL PLASTIC ELECTRONIC PRODUCTS	02, 03, 03A	V-0, 130 ℃	UL
PCB (alt)	DONGGUAN DAYSUN ELECTRONIC CO LTD	DS2	V-0, 130 ℃	UL
PCB (alt)	SUZHOU CITY YILIHUA ELECTRONICS CO LTD	YLH-1	V-0, 130 ℃	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)
PCB (alt)	DAFENG AREX ELECTRONICS TECHNOLOGY CO LTD	02V0, 03V0, 04V0	V-0, 130 ℃	UL
PCB (alt)	BRITE PLUS ELECTRONICS(SU) CO LTD	DKV0-3A, DGV0-3A	V-0, 130 ℃	UL
PCB (alt)	KUOTIANG ENT LTD	C-2, C-2A	V-0, 130 ℃	UL
PCB (alt)	SHENZHEN TONGCHUANGXIN ELECTRONICS CO LTD	TCX	V-0, 130 ℃	UL
PCB (alt)	PACIFIC WIN INDUSTRIAL LTD	PW-02, PW-03	V-0, 130 ℃	UL
PCB (alt)	YUANMAN PRINTED CIRCUIT CO LTD	1V0	V-0, 130 ℃	UL
PCB (alt)	GUANGDE XINKE ELECTRONICS CO LTD	XK-2, XK-3	V-0, 130 ℃	UL
PCB (alt)	JIANGSU DIFEIDA ELECTRONICS CO LTD	DFD-1	V-0, 130 ℃	UL
PCB (alt)	Shanghai H-FAST Electronics Co Ltd	211001, 411001	V-0, 130 ℃	UL
Fuse (F1, F2) (F2 is optional)	Conquer Electronics Co., Ltd.	MST series	T3.15 A, 250 V	KC
Fuse (F1, F2) (F2 is optional) (alt)	Suzhou Walter Electronic Co., Ltd.	2010, ICP	T3.15 A, 250 V	KC
Fuse (F1, F2) (F2 is optional) (alt)	Dongguan Cooper Electronics Co. Ltd	SS-5	T3.15 A, 250 V	KC
Fuse (F1, F2) (F2 is optional) (alt)	Shenzhen Lanson Electronics Co. Ltd.	SMT	T3.15 A, 250 V	KC
Fuse (F1, F2) (F2 is optional) (alt)	Conquer Electronics Co., Ltd.	MET series	T3.15 A, 250 V	KC
Y-capacitor (CY1, CY2) (Optional)	TDK Xiamen Co.,Ltd	CD	Max. 2200 pF, AC 250 V, Y1	KC
Y-capacitor (CY1, CY2) (Optional) (alt)	SUCCESS ELECTRONICS(HU	SE	Max. 2200 pF, AC 250 V, Y1	KC

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부품명(회로기호) Components(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 (Technical Data)	인증규격 (Certification)
Y-capacitor (CY1, CY2) (Optional) (alt)	SUCCESS ELECTRONICS(HU)	SB	Max. 2200 pF, AC 250 V, Y1	KC
X-capacitor (CX1) (Optional)	Cheng Tung Industrial Co., Ltd.	CTX	Max. 0.22uF, 275 VAC, X2	KC
X-capacitor (CX1) (Optional) (alt)	Dain Electronics Co., Ltd.	MPX	Max. 0.22uF, 275 VAC, X2	KC
Bleeder resistor (R1, R2, R1A, R2A)	Interchangeable	Interchangeable	R1, R2: Each 2.0 Mohm, R1A, R2A : Each 4.7 Mohm	-
Photocoupler (U2)	Everlight Electronics Co., Ltd.	EL817	Dti=0.5mm Int. , dcr=6.0mm EXT.dcr=7.7mm, thermal cycling test,110 °C	VDE
Photocoupler (U2) (alt)	COSMO Electronics Corporation	K1010, KP1010	Dti=0.6mm Int. , dcr=4.0mm EXT.dcr=5.0mm, thermal cycling test,115 °C	VDE
Photocoupler (U2) (alt)	Lite-On Technology Corporation	LTV-817	Dti=0.8mm Int. , EXT.dcr=7.8mm, thermal cycling test,100 °C	VDE
Photocoupler (U2) (alt)	Fairchild Semiconductor Pte Ltd.	H11A817B, FOD817B	Insulation voltage: 850V; Transient overvoltage: 6000V; CTI175; Int. Cr/ Ext. Cr: ≥7,0/ 7,0 mm; 30/110/21	VDE
Photocoupler (U2) (alt)	Sharp Corporation Electronic Components and Devices Group	PC817	Insulation voltage: 890V; Transient overvoltage: 9000V Int. Cr/ Ext. Cr: 7.62/ 7.62 mm; 30/100/21	VDE
Photocoupler (U2) (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, thermal cycling test,100 °C	VDE
Photocoupler (U2) (alt)	Toshiba Corporation Semiconductor & Storage Products Company	TLP817F	Dti > 0.4mm, Ext cr > 8.0mm, Isolation 3000Vac min., 110 °Cmin., Thermal cycling test	VDE
Varistor (MOV1) (Optional)	Thinking Electronic Industrial Co., Ltd.	TVR10471K, TVR14471K	Max. Continuous voltage: min 300 Vac(rms), 85 °C, The coating is V-0	VDE
Varistor (MOV1) (Optional) (alt)	Centra Science Corp.	10D471K, 14D471K	Max. Continuous voltage: min 300 Vac(rms), 85 °C, The coating is V-0	VDE
Varistor (MOV1) (Optional) (alt)	Success Electronics Co., Ltd.	SVR10D471K, SVR14D471K	Max. Continuous voltage: min 300 Vac(rms), 85 °C, The coating is V-0	VDE

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부품명(회로기호) Components(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 (Technical Data)	인증규격 (Certification)
Varistor (MOV1) (Optional) (alt)	Walsin Technology Co., Ltd.	14D471K	Max. Continuous voltage: min 300 Vac(rms), 85 ℃, The coating is V-0	VDE
Varistor (MOV1) (Optional) (alt)	Lien Shun Electronics Co., Ltd.	14D471K	Max. Continuous voltage: min 300 Vac(rms), 85 ℃, The coating is V-0	VDE
Varistor (MOV1) (Optional) (alt)	Ceramate Techn. Co., Ltd.	GNR10D471K, GNR14D471K	Max. Continuous voltage: min 300 Vac(rms), 85 ℃, The coating is V-0	VDE
Varistor (MOV1) (Optional) (alt)	Brightking (Shenzhen) Co., Ltd.	14D471K, 10D471K	Max. Continuous voltage: min 300 Vac(rms), 85 ℃, The coating is V-0	VDE
Varistor (MOV1) (Optional) (alt)	Joyin Co., Ltd.	JVR10N471K, JVR14N471K	Max. Continuous voltage: min 300 Vac(rms), 85 ℃, The coating is V-0	VDE
Transformer (T1)	WUXI HAOPUWEI ELECTRONICS CO.,LTD	320-02978002 (Label: TF047)	Class B	-
Inductor (LF1)	WUXI HAOPUWEI ELECTRONICS CO.,LTD	321-02403892	130 ℃	-
Inductor (LF2)	WUXI HAOPUWEI ELECTRONICS CO.,LTD	321-02401284	130 ℃	-
Inductor (L1)	WUXI HAOPUWEI ELECTRONICS CO.,LTD	321-02402902	130 ℃	-
Line Filter (L2)	WUXI HAOPUWEI ELECTRONICS CO.,LTD	321-02403502 (Label: LF029)	130 ℃	-
Line Filter (L3)	WUXI HAOPUWEI ELECTRONICS CO.,LTD	321-02401202	130 ℃	-

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3. 전기용품안전인증의 변경현황(Status of Certificate Revisions)

일자(Date)	발급현황(Status of issues)
	변경내용(Modification of Contents)
2021/03/26	기본+파생모델등록(Basic + 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):



기술문서붙임자료

안전인증번호: HU10499-21046A

접수번호:20200821-0013

No.1 표시사항

전기용품안전관리법에 의한 표시

안전인증번호(安全认证编号): HUXXXXX-XXXXX

제 품 명(产 品 名): AC/DC Adaptor

모델명(型号名): GTM961200P11012-T3

정 격 : (額 定) Input: 100-240V~, 50-60Hz, 1.5A
Output: 12.0Vdc, 9.2A

제조사(工 厂名): GlobTek (Suzhou) Co.,Ltd.

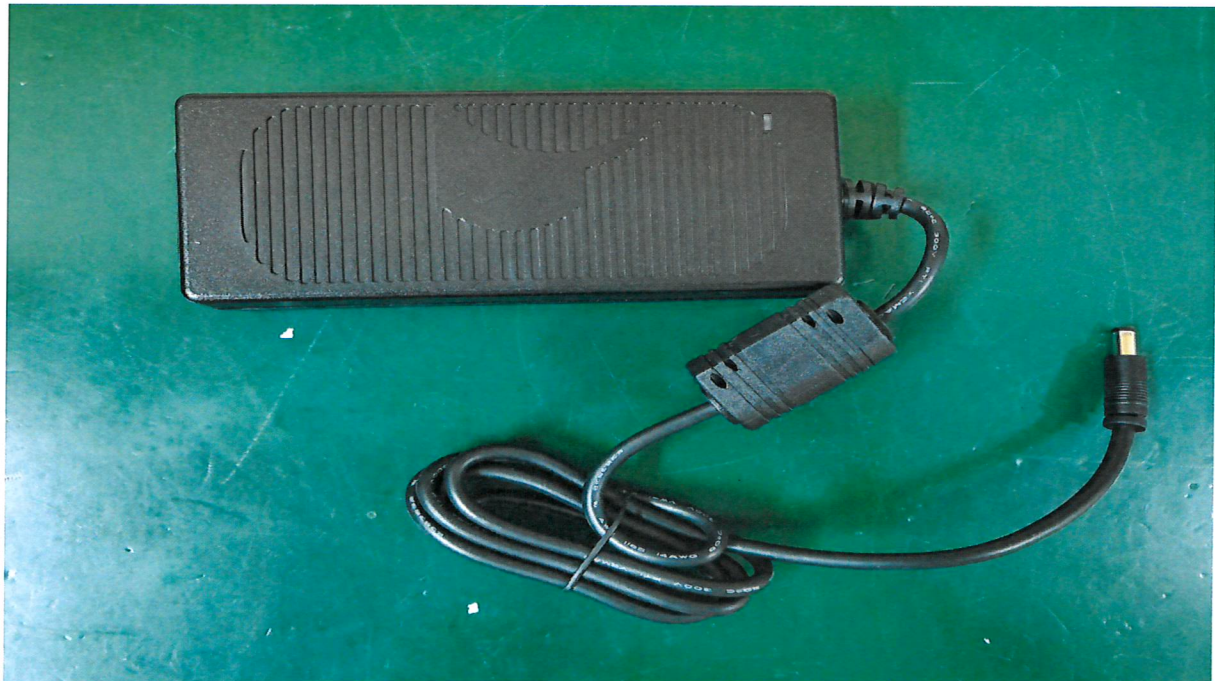
제 조 국(制 造 国):China

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 제품외관



기술문서붙임자료

안전인증번호: HU10499-21046A

접수번호:20200821-0013

No.3 제품외관



No.4 제품외관

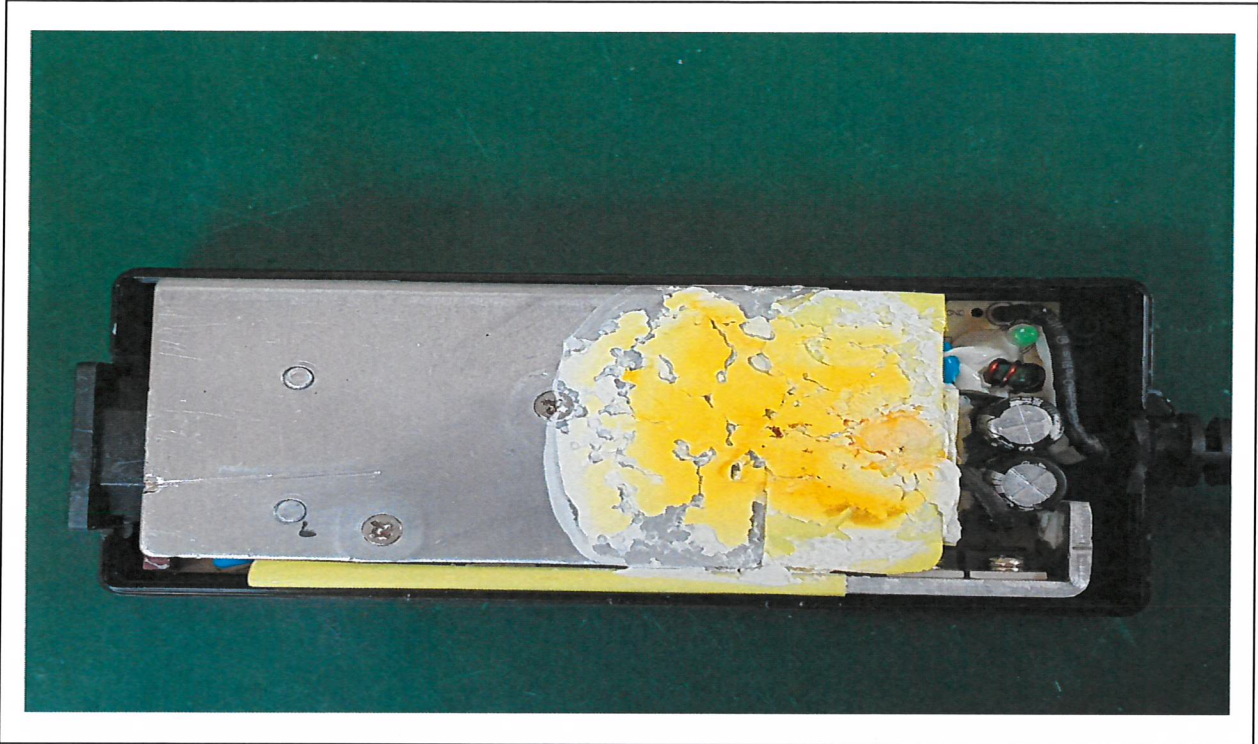


기술문서붙임자료

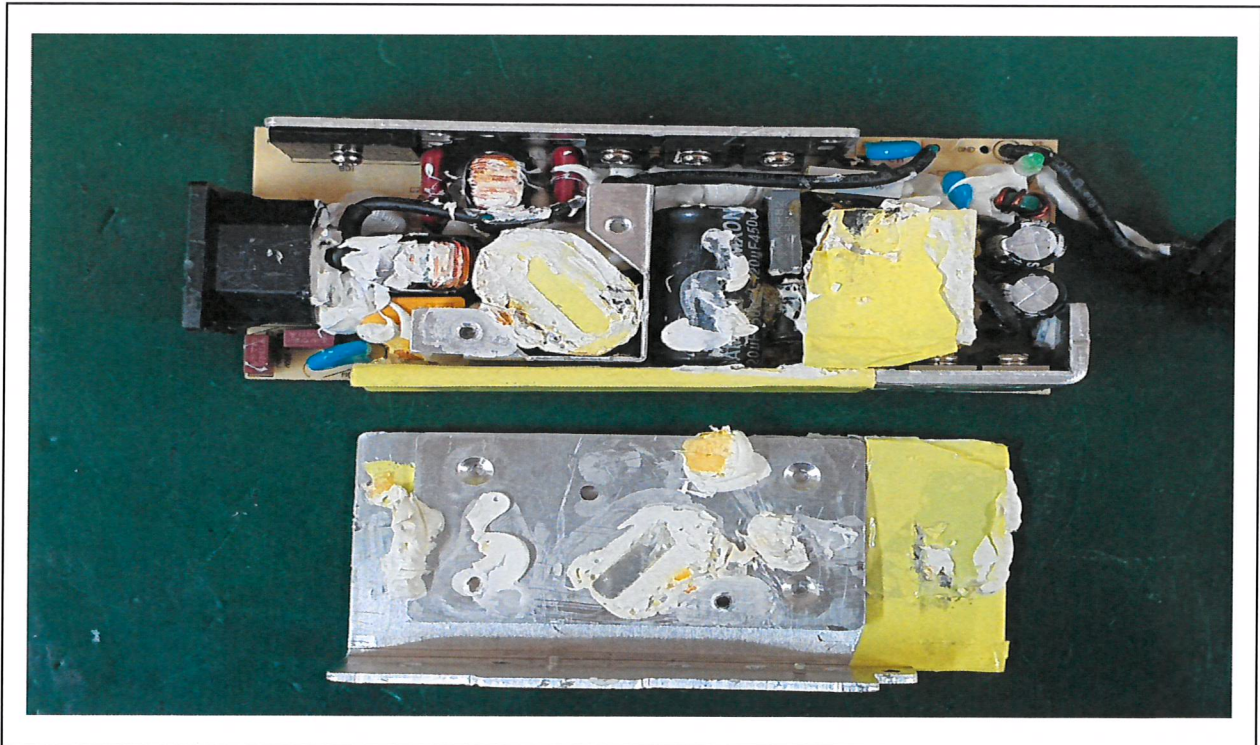
안전인증번호: HU10499-21046A

접수번호:20200821-0013

No.5 제품내부



No.6 제품내부 (Under heatsink)

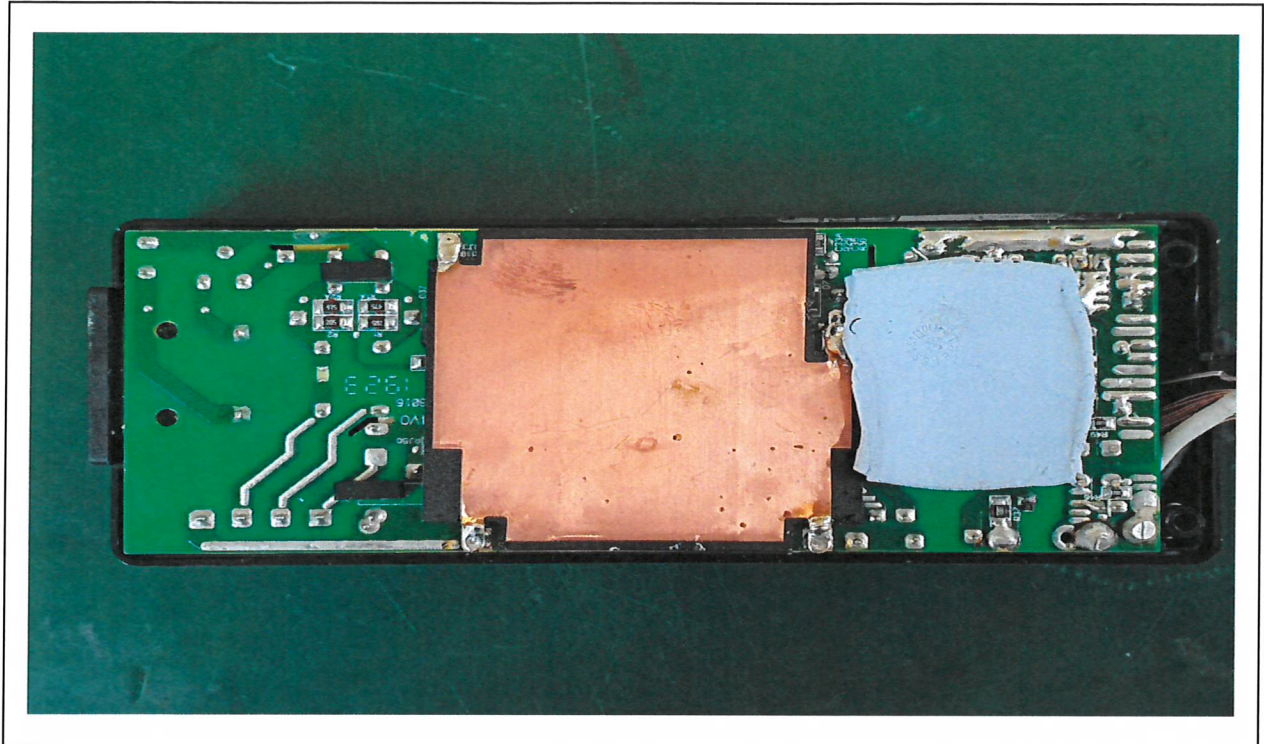


기술문서불임자료

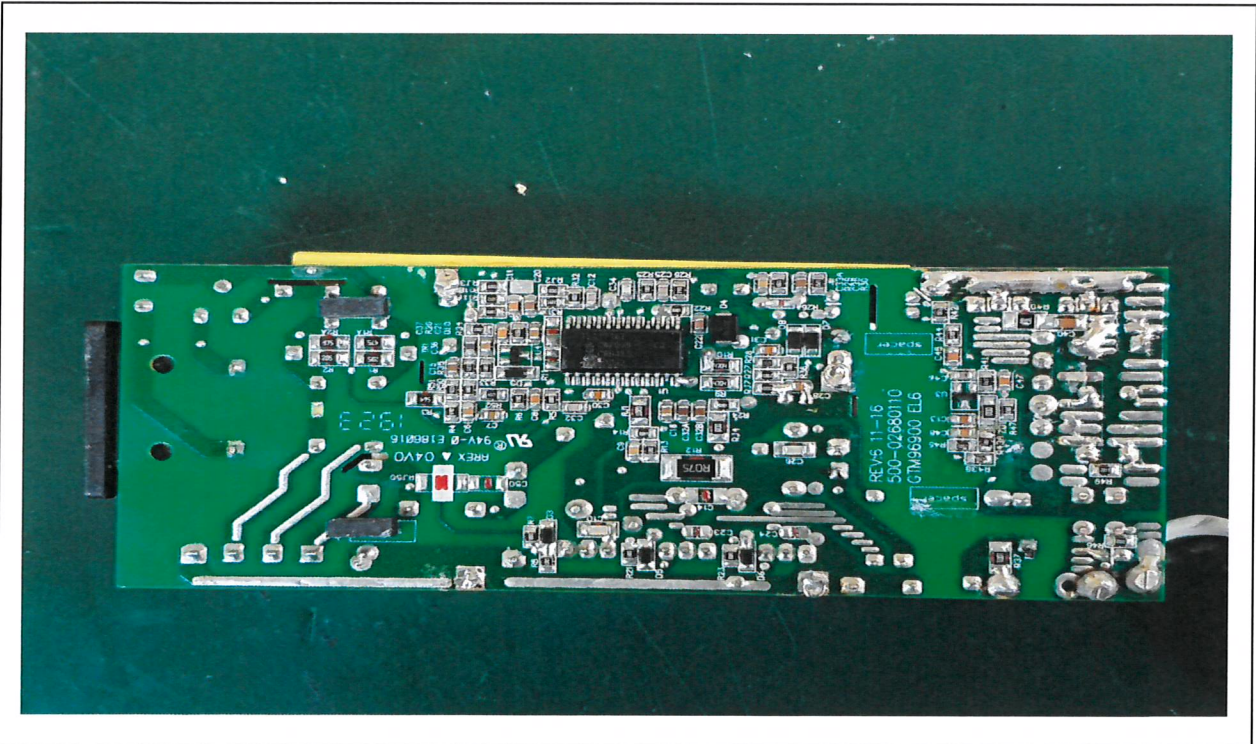
안전인증번호: HU10499-21046A

접수번호: 20200821-0013

No.7 제품내부



No.8 제품내부

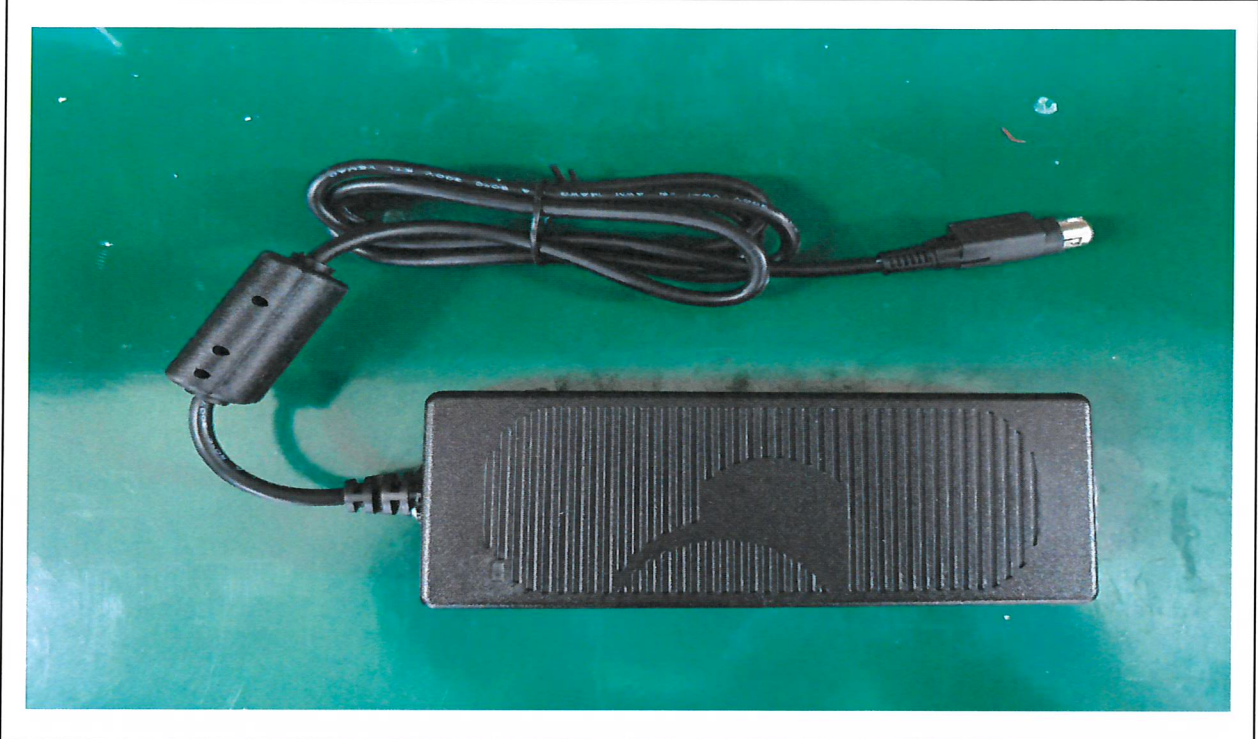


기술문서붙임자료

안전인증번호: HU10499-21046A

접수번호: 20200821-0013

No.9 제품외관 (T3A type)



No.10 제품외관 (T3A type)



기술문서붙임자료

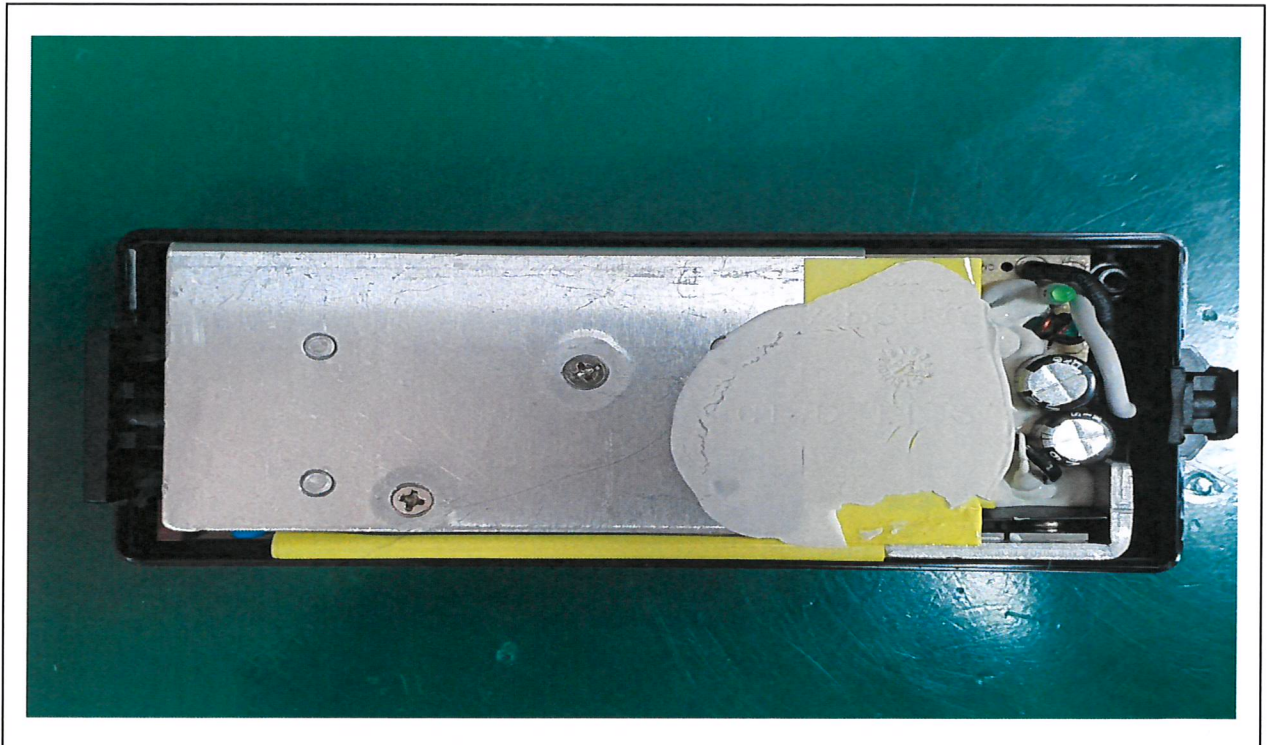
안전인증번호 : HU10499-21046A

접수번호 : 20200821-0013

No.11 제품외관 (T3A type)



No.12 제품내부 (T3A type)

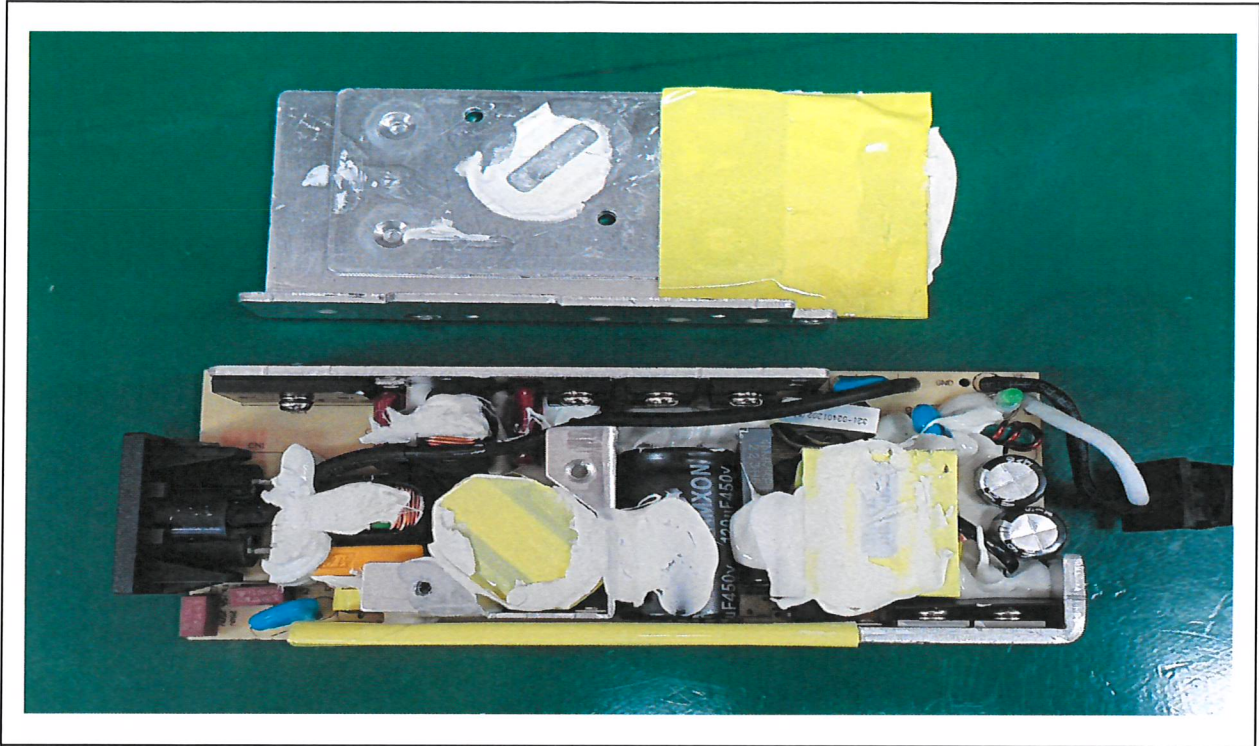


기술문서붙임자료

안전인증번호: HU10499-21046A

접수번호:20200821-0013

No.13 제품내부 (T3A type) (Under heatsink)



No.14 제품내부 (T3A type)

