접수번호 : 20211105-0049

안 전 인 증 서
Safety Certificate

안전인증번호: HU10499-22051A
(Certificate No.)
제조업자/수입업자명: GlobTek (Suzhou) Co., Ltd.
(Manufacturer/importer)
주 소: Building 4, #76, Jin Ling East Rd., Suzhou Park, Suzhou, Jiangsu 215021, P.R.China
(Address)
제 품 명: 직류전원장치
(Product)
기본모델명: GTM96600-4005-P2
(Basic Model)
파생모델명 (Series Model):

GTM96600-2005-P2 GTM96600-2305-P2

정격/안전기준상의 모델구분: 100-240 V~, 50-60 Hz, 1.5 A, (O/P: 5.0 Vdc, 8.0 A)
(Rating)
시 험 기 준: K 60950-1(2011-12)
(Standard)

본 인증서는 **제 조 국 명:** 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.

2022 년 (Year) 01 월 (Month) 19 일 (Day)

한국기계전기전자시험연구원 KTC Certificate Korea Testing Certification

한국기계전기전자시험연구원장
Korea Testing Certification

※ 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)

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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 non-detachable power cord
기타(Others)	Class II

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)	GTM96600-4005-P2	100-240 V~, 50-60 Hz, 1.5 A, (O/P: 5.0 Vdc, 8.0 A)	
파생모델 (Series model)	GTM96600-2005-P2		Identical to basic model except for the model designation and output rating(5.0 Vdc, 4.0 A)
	GTM96600-2305-P2		Identical to basic model except for the model designation and output rating(5.0 Vdc, 4.5 A)

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

부품명(회로기호) Components(Part no.)	제조자(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 (Technical Data)	인증규격 (Certification)
Enclosure	SABIC INNOVATIVE PLASTICS B V	SE1X(GG)(f1), SE1	PPE+PS, V-1, Min. thickness: 2.0 mm, 105 ℃	UL
Enclosure (alt)	SABIC INNOVATIVE PLASTICS B V	SE100	PPE+PS, V-1, Min. thickness: 2.0 mm, 65 ℃	UL
Enclosure (alt)	SABIC INNOVATIVE PLASTICS B V	C2950	PC/ABS, V-0, Min. thickness: 2.0 mm, 75 ℃	UL
Enclosure (alt)	SABIC INNOVATIVE PLASTICS B V	CX7211 (GG)	PC/ABS, V-0, Min. thickness: 2.0 mm, 90 ℃	UL
Enclosure (alt)	SABIC INNOVATIVE PLASTICS B V	945(GG)	PC, V-0, Min. thickness: 2.0 mm, 120 ℃	UL
Enclosure (alt)	SABIC INNOVATIVE PLASTICS B V	HF500R(f2)	PC, V-0, Min. thickness: 2.0 mm, 125 ℃	UL
Enclosure (alt)	SABIC JAPAN L L C	SE1X (GG)(C)(f1), SE1	PPE+PS, V-1, Min. thickness: 2.0 mm, 105 ℃	UL
Enclosure (alt)	SABIC JAPAN L L C	SE100	PPE+PS, V-1, Min. thickness: 2.0 mm, 80 ℃	UL
Enclosure (alt)	SABIC JAPAN L L C	C2950 (GG)(C)	PC/ABS, V-0, Min. thickness: 2.0 mm, 75 ℃	UL
Enclosure (alt)	SABIC JAPAN L L C	CX7211 (GG)	PC/ABS, V-0, Min. thickness: 2.0 mm, 90 ℃	UL
Enclosure (alt)	SABIC JAPAN L L C	945(GG)	PC, V-0, Min. thickness: 2.0 mm, 120 ℃	UL
Enclosure (alt)	SABIC JAPAN L L C	HF500R(f2)	PC, V-0, Min. thickness: 2.0 mm, 125 ℃	UL
Enclosure (alt)	TEIJIN LIMITED RESIN AND PLASTIC	LN-1250P(#)(f1), LN-1250G(#)(*)	PC, Min. V-0, Min. thickness: 2.0 mm, 115 ℃	UL
Enclosure (alt)	CHI MEI CORPORATION	PA-765A (+)	ABS, Min. V-1, Min. thickness: 2.0 mm, 85 ℃	UL
Enclosure (alt)	CHI MEI CORPORATION	PC-540 (Y)(a)	PC/ABS, V-0, Min. thickness: 2.0 mm, 80 ℃	UL
PCB	WALEX ELECTRONIC (WUXI) CO LTD	T2, T2A, T2B, T4	min. V-0, 130 ℃	UL

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부품명(회로기호) Components(Part no.)	제조자(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 (Technical Data)	인증규격 (Certification)
PCB (alt)	YUANMAN PRINTED CIRCUIT CO LTD	1V0	min. V-0, 130 ℃	UL
PCB (alt)	SUZHOU XINKE ELECTRONICS CO LTD	XK-2, XK-3	min. V-0, 130 ℃	UL
PCB (alt)	Guangdong Hetong Technology Co Ltd	CEM1, 2V0, FR4	min. V-0, 130 ℃	UL
PCB (alt)	CHEERFUL PLASTIC ELECTRONIC PRODUCTS	02, 03, 03A	min. V-0, 130 ℃	UL
PCB (alt)	JIANGSU DIFEIDA ELECTRONICS CO LTD	DFD-1	min. V-0, 130 ℃	UL
PCB (alt)	DONGGUAN DAYSUN ELECTRONIC CO LTD	DS2	min. V-0, 130 ℃	UL
PCB (alt)	SUZHOU CITY YILIHUA ELECTRONICS CO LTD	YLH-1	min. V-0, 130 ℃	UL
PCB (alt)	DAFENG AREX ELECTRONICS TECHNOLOGY CO LTD	02V0, 03V0, 04V0	min. V-0, 130 ℃	UL
PCB (alt)	BRITE PLUS ELECTRONICS (SUZHOU) CO LTD	DKV0-3A, DGV0-3A	min. V-0, 130 ℃	UL
PCB (alt)	KUOTIANG ENT LTD	C-2, C-2A	min. V-0, 130 ℃	UL
PCB (alt)	PACIFIC WIN INDUSTRIAL LTD	PW-02, PW-03	min. V-0, 130 ℃	UL
PCB (alt)	SHENZHEN TONGCHUANGXIN ELECTRONICS CO LTD	TCX	min. V-0, 130 ℃	UL
PCB (alt)	Shanghai H-FAST Electronics Co Ltd	211001	min. V-0, 130 ℃	UL
PCB (alt)	JIANGXI ZHONG XIN HUA ELECTRONICS INDUSTRY CO LTD	ZXH-2, ZXH-3	min. V-0, 130 ℃	UL

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부품명(회로기호) Components(Part no.)	제조자(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 (Technical Data)	인증규격 (Certification)
PCB (alt)	KUNSHAN CITY QIANDENG WUQIAO ELECTRICAL APPLIANCE FACTORY	WQ-A, WQ-B, WQ-C	min. V-0, 130 ℃	UL
PCB (alt)	SHENZHEN JIA LI CHUANG TECHNOLOGY DEVELOPMENT CO LTD	JLC-2	min. 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)	Conquer Electronics Co., Ltd.	MET series	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
X capacitor (CX1) (optional)	Cheng Tung Industrial Co.,Ltd.	CTX	Max. 0.47 uF, 300 V, X1	KC
X capacitor (CX1) (optional) (alt)	KUNSHAN UTX VALUE ENTERPPISE CO.,LTD.	HQX	Max. 0.47 uF, 275 V, X2	KC
X capacitor (CX1) (optional) (alt)	Dain Electronics Co., Ltd	MPX	Max. 0.47 uF, 275 V, X2	KC
ICX (U1)	NXP Semiconductors	TEA18362T	100-240 Vac, 50-60 Hz	-
Resistor (R10, R11) (for ICX)	Interchangeable	Interchangeable	R10 : 100Kohm 1/4W, R11 : 80.6Kohm 1/4W	-
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
Y capacitor (CY1, CY2) (optional) (alt)	SUCCESS ELECTRONICS(HU	SB	Max. 2200 pF, AC 250 V, Y1	KC

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부품명(회로기호) Components(Part no.)	제조자(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 (Technical Data)	인증규격 (Certification)
Transformer (T1)	GlobTek(Suzhou) Co. Ltd.	TF058	Class B	-
Transformer (T1) (alt)	WUXIHAOPUWEI ELECTRONICS CO.,LTD.	TF058	Class B	-
Varistor (MOV1) (Optional)	Thinking Electronic Industrial Co., Ltd.	TVR10471K, TVR14471K	Max. Continuous voltage: min 300 Vac(rms), 85 ℃, The coating is V-0	VDE, UL
Varistor (MOV1) (Optional) (alt)	Centra Science Corp.	CNR-10D471K, CNR-14D471K	Max. Continuous voltage: min 300 Vac(rms), 85 ℃, The coating is V-0	VDE, UL
Varistor (MOV1) (Optional) (alt)	Success Electronics Co., Ltd.	SVR10D471K, SVR14D471K	Max. Continuous voltage: min 300 Vac(rms), 85 ℃, The coating is V-0	VDE, UL
Varistor (MOV1) (Optional) (alt)	Walsin Technology Co., Ltd.	VZ10D471K, VZ14D471K	Max. Continuous voltage: min 300 Vac(rms), 85 ℃, The coating is V-0	VDE, UL
Varistor (MOV1) (Optional) (alt)	Lien Shun Electronics Co., Ltd.	10D471K, 14D471K	Max. Continuous voltage: min 300 Vac(rms), 85 ℃, The coating is V-0	VDE, UL
Varistor (MOV1) (Optional) (alt)	Ceramate Techn. Co., Ltd.	GNR10D471K, GNR14D471K	Max. Continuous voltage: min 300 Vac(rms), 85 ℃, The coating is V-0	VDE, UL
Varistor (MOV1) (Optional) (alt)	Brightking (Shenzhen) Co., Ltd.	14D471K, 10D471K	Max. Continuous voltage: min 300 Vac(rms), 85 ℃, The coating is V-0	VDE, UL
Varistor (MOV1) (Optional) (alt)	Joyin Co., Ltd.	JVT10N471K, JVT14N471K	Max. Continuous voltage: min 300 Vac(rms), 85 ℃, The coating is V-0	VDE, UL
Photo coupler (U4)	Lite-On Technology Corporation	LTV-817	Dti=0.8mm Int., EXT.dcr=7.8mm, thermal cycling test 110 ℃	VDE, UL
Photo coupler (U4) (alt)	Everlight Electronics Co., Ltd.	EL817	Dti=0.5mm Int.,dcr=6.0mm EXT.dcr=7.7mm, thermal cycling test, 110 ℃	VDE, UL
Photo coupler (U4) (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
Photo coupler (U4) (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

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부품명(회로기호) Components(Part no.)	제조자(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 (Technical Data)	인증규격 (Certification)
Photo coupler (U4) (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,110 ℃	VDE
Photo coupler (U4) (alt)	Toshiba Corporation Semiconductor & Storage Products Company	TLP781F	Dti> 0.4mm, Ext cr> 8.0mm, Isolation 3000Vac min., 110 ℃ min. Thermal cycling test	VDE
Photo coupler (U4) (alt)	COSMO Electronics Corporation	K1010 / KP1010	Dti=0.6mm Int.dcr=4.0mm EXT.dcr=5.0mm, thermal cycling test 115 ℃	VDE
Line Filter (LF1)	SHANDONG BOAM ELECTRIC CO.,LTD	GTM91099-LF1	130 ℃	-
Line Filter (LF1) (alt)	SUZHOU HEJIA ELECTRONICS CO ., LTD	GTM91099-LF1	130 ℃	-
Line Filter (LF2)	WUXI HAOPUWEI ELECTRONICS CO.,LTD.	NF00031	130 ℃	-
Power Plug	Hong Shan Chuan Industry (Shenzhen) Co., LTD	HSC-801	250 V~, 2.5 A	KC
Power Cord	Hong Shan Chuan Industry (Shenzhen) Co.,Ltd	60227 IEC 52 (H03VVH2-F) 2×0.75㎟	300/300V, 2×0.75 ㎟	KC

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3.전기용품안전인증의 변경현황(Status of Certificate Revisions)

일자(Date)	발급현황(Status of issues)
	변경내용(Modification of Contents)
2022/01/19	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: HU10499-22051A　　접수번호:20211105-0049

No.1　표시사항

전기용품안전관리법에 의한 표시

안전인증번호(安全认证编号): HUXXXXX-XXXXX

제 품 명(产 品 名): 직류전원장치

모 델 명(型 号 名): GTM96600-4005-P2

정　　격 : (额 定) Input: 100-240V~, 50-60Hz, 1.5A

Output: 5.0Vdc, 8.0A

제조자(工 厂名): GlobTek (Suzhou) Co.,Ltd.

제 조 국(制 造 国):China

제조년월(制造年月): 2020/10

A/S 연락처(A/S 韩国售后服务联络处): 02-3451-3400

No.2　제품외관



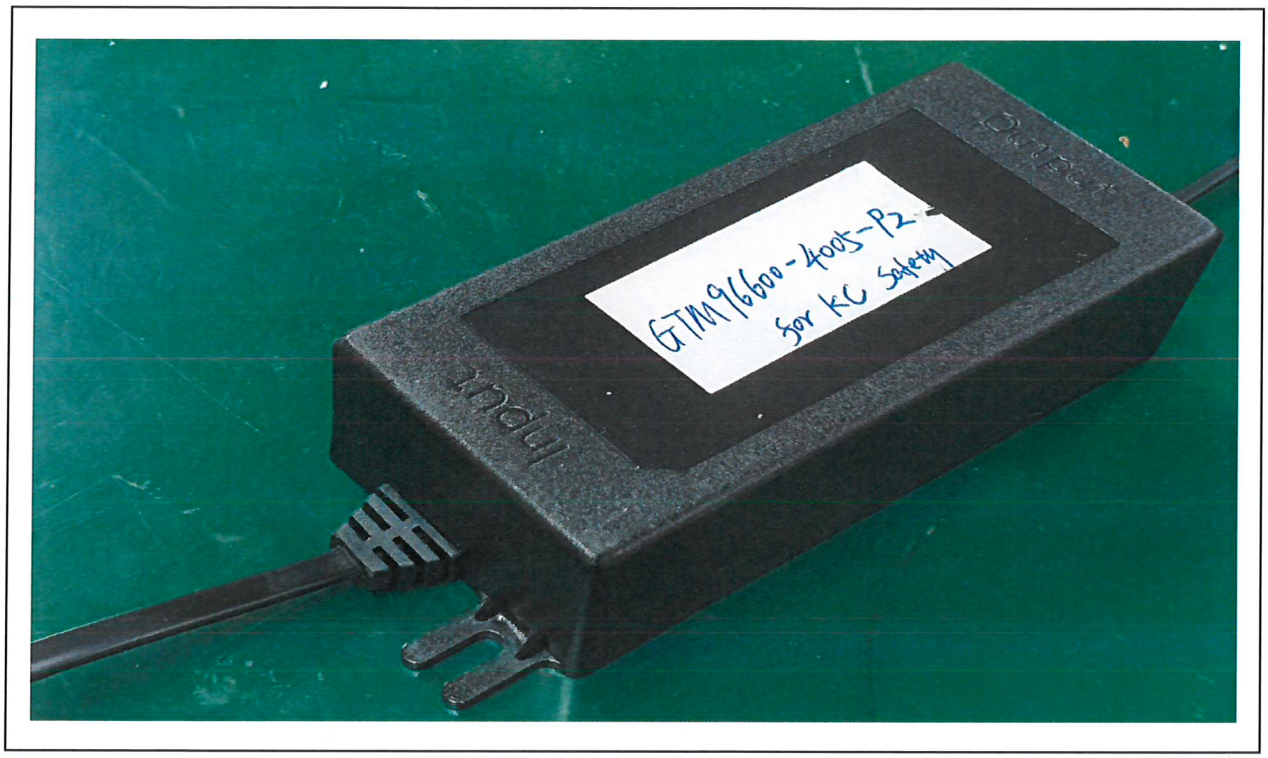
한국기계전기전자시험연구원

Korea Testing Certification

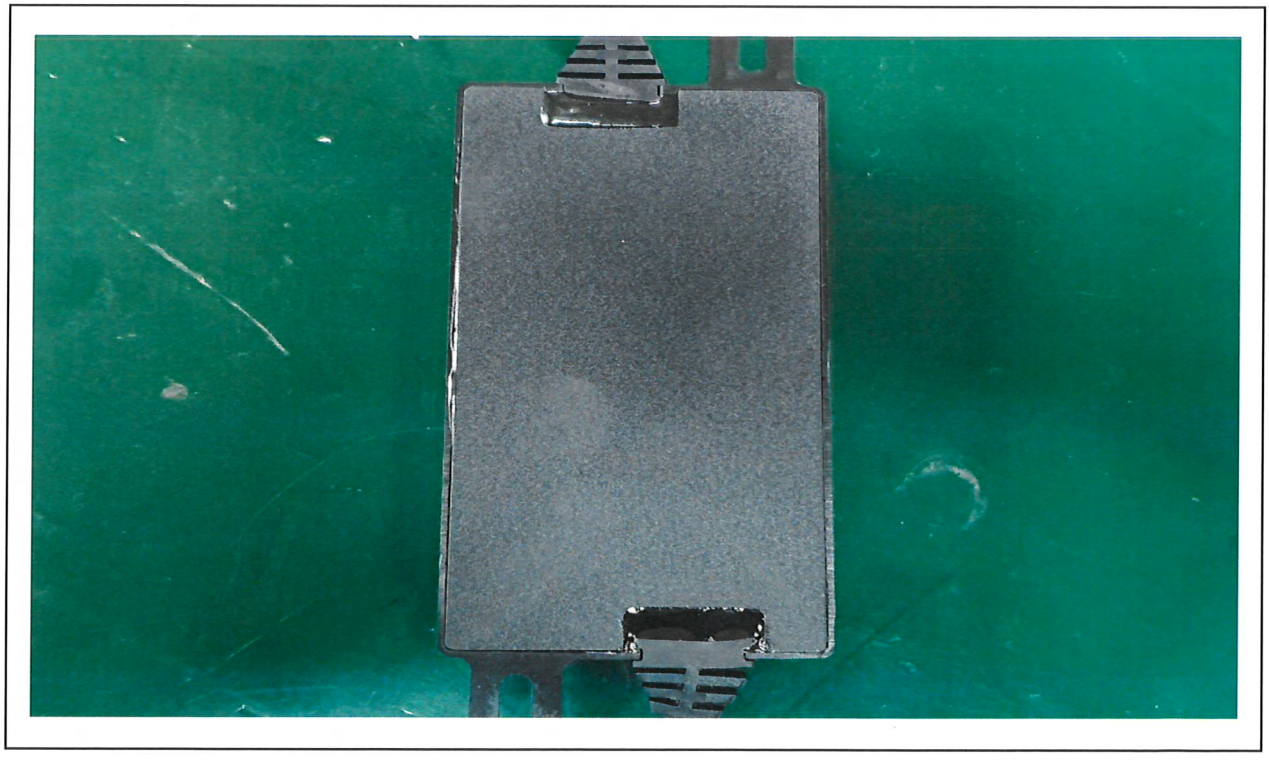
기술문서붙임자료

안전인증번호: HU10499-22051A 접수번호:20211105-0049

No.3 제품외관



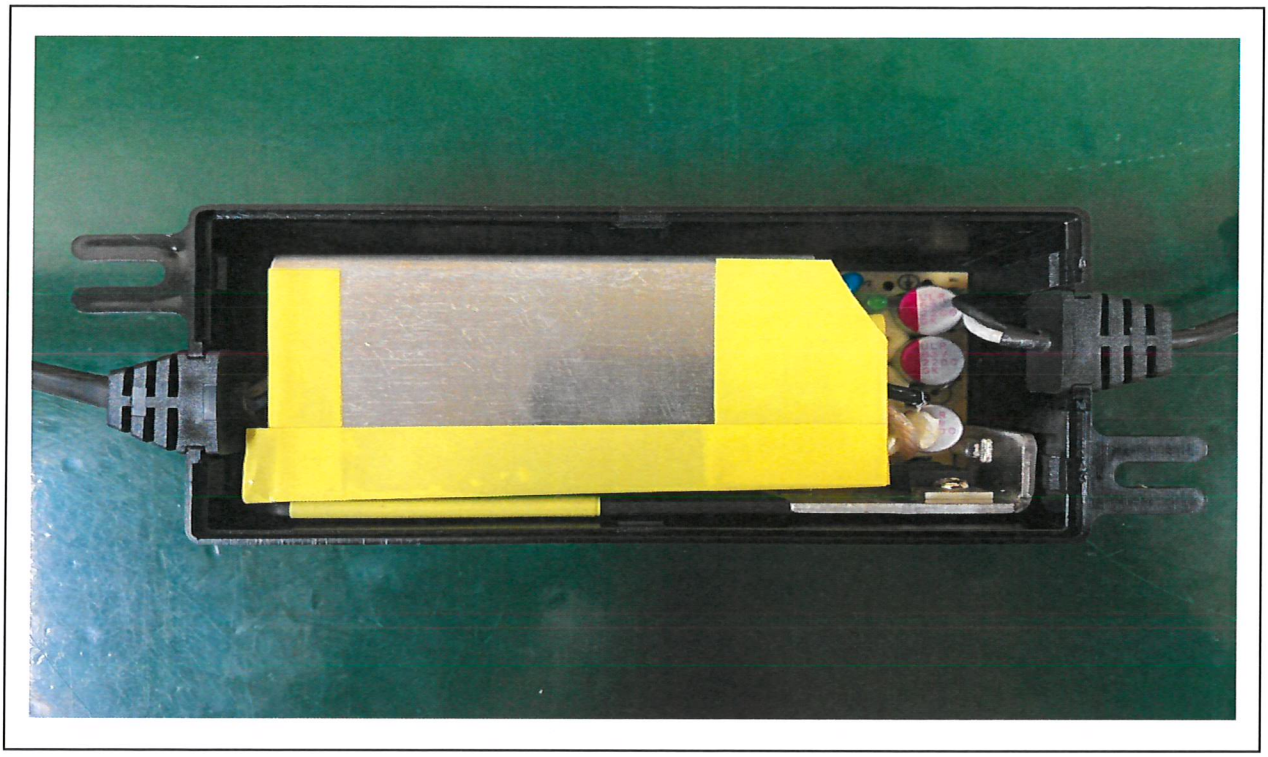
No.4 제품외관



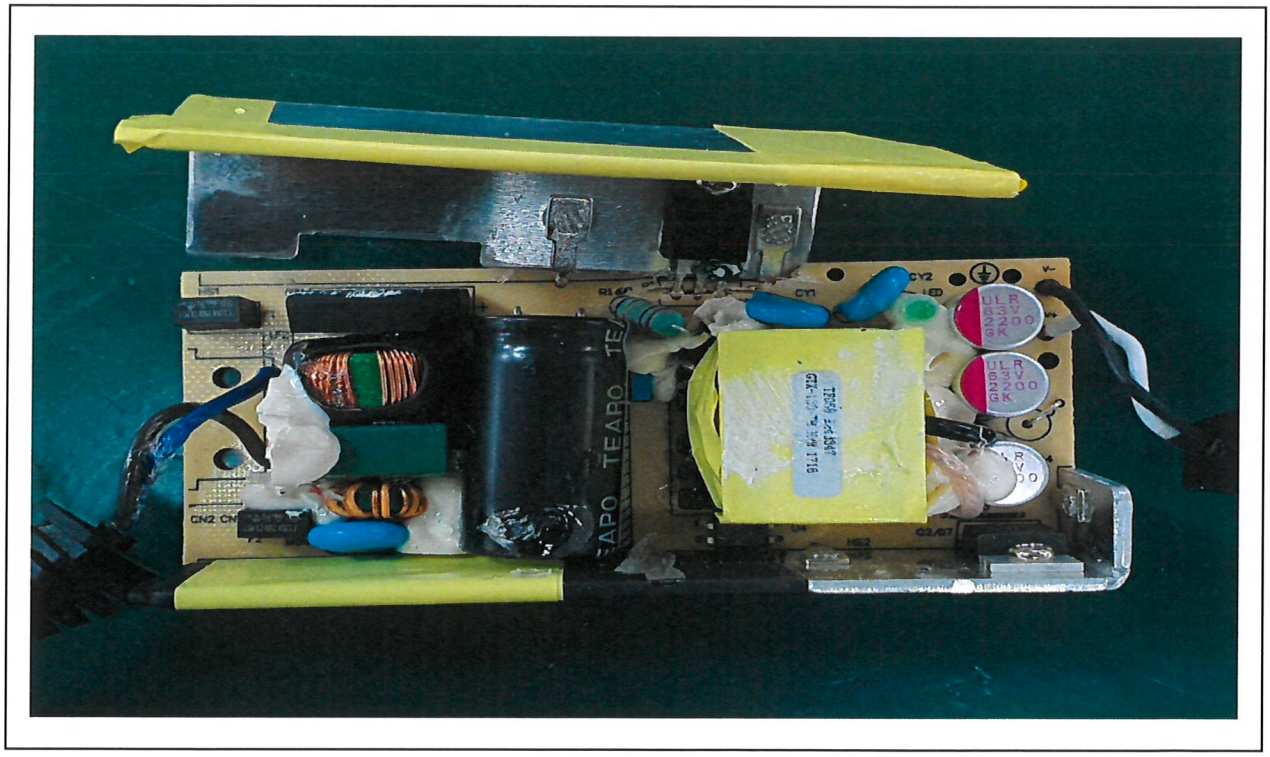
기술문서붙임자료

안전인증번호: HU10499-22051A 접수번호:20211105-0049

No.5 제품내부



No.6 제품내부



기술문서붙임자료

안전인증번호: HU10499-22051A 접수번호:20211105-0049

No.7 제품내부

