



# 안전인증서 Safety Certificate

안전인증번호: HU10499-18036A  
(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: GTM96180-1817.9-5.9-T3  
(Basic Model)

파생모델명 (Series Model):

GTM96180-1511-2.0-T3

GTM96180-1511-2.0-T3A

GTM96180-1517.9-5.9-T3

GTM96180-1517.9-5.9-T3A

GTM96180-1811-2.0-T3

GTM96180-1811-2.0-T3A

GTM96180-1817.9-5.9-T3A

정격/안전기준상의 모델구분: 100-240 V~, 50-60 Hz, 0.6 A (O/P: 12 Vdc, 1.5 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

「전기용품 및 생활용품 안전관리법 시행규칙」 제9조제2항·제4항 또는 제10조제2항에 따라 안전인증서를 발급합니다.  
We issue this Safety Certificate for the above appliances in accordance with the Article 9(2), 9(4) or 10(2) of the Enforcement Rule of the Electrical Appliances and Consumer Products Safety Control Act.

2018 년 05 월 23 일  
(Year) (Month) (Day)



한국기계전기전자시험연구원  
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)<br>2. 기본모델·파생모델의 내용 (Descriptions of the basic and series model)<br>3. 안전인증의 변경 현황 (Revisions Status) |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------|



# 기술 문서 Technical Document

page: 1 / 10

안전인증번호: HU10499 -18036A  
(Certificate No)

접수번호: 20180125 - 0008  
(Receipt No)

## 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<br>(Normal use)              | The apparatus designed to be used for converting AC main voltage to DC low voltage. |
| 내부구조<br>(Internal construction) | The apparatus consists of Switching transformer, rectifying part etc.               |
| 외부구조<br>(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 제19조 (안전인증의 표시)에 따라 표시한다.

(Marking of KC Mark: Marking shall comply with the Article 19 of the Enforcement Rule of the Electrical Appliances and Consumer Products Safety Control Act.)

### 1.3 등록모델 (Registered Models)

| 구 분<br>(Class)         | 모 델 명 및 정 격<br>(Model / Rating)                                            | 기본모델과의 차이점<br>(Difference between basic model and series model)        |
|------------------------|----------------------------------------------------------------------------|------------------------------------------------------------------------|
| 기본모델<br>(Basic model)  | GTM96180-1817.9-5.9-T3<br>100-240 V~, 50-60 Hz, 0.6 A (O/P: 12 Vdc, 1.5 A) |                                                                        |
| 파생모델<br>(Series model) | GTM96180-1811-2.0-T3                                                       | Output rating (O/P: 9 Vdc, 2 A)                                        |
|                        | GTM96180-1517.9-5.9-T3                                                     | Output rating (O/P: 12 Vdc, 1.25 A)                                    |
|                        | GTM96180-1511-2.0-T3                                                       | Output rating (O/P: 9 Vdc, 1.66 A)                                     |
|                        | GTM96180-1817.9-5.9-T3A                                                    | Appliance inlet type (C6 type)                                         |
|                        | GTM96180-1811-2.0-T3A                                                      | Appliance inlet type (C6 type) and Output rating (O/P: 9 Vdc, 2 A)     |
|                        | GTM96180-1517.9-5.9-T3A                                                    | Appliance inlet type (C6 type) and Output rating (O/P: 12 Vdc, 1.25 A) |

[서식 CP401-18-00]



# 기술 문서 Technical Document

page: 2 / 10

안전인증번호: HU10499 -18036A  
(Certificate No)

접수번호: 20180125 - 0008  
(Receipt No)

GTM96180-1511-2.0-T3A

Appliance inlet type (C6 type)  
and Output rating (O/P: 9 Vdc,  
1.66 A)



# 기술 문서 Technical Document

page: 3 / 10

안전인증번호: HU10499 -18036A  
(Certificate No)

접수번호: 20180125 - 0008  
(Receipt No)

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

| 부품명(회로기호)<br>Components(Part no.) | 제조사(상표명)<br>Manufacturer(Brand)                    | 모델명(형식)<br>Model(Type) | 정격 또는 특성<br>(Technical Data)              | 인증규격<br>(Certification) |
|-----------------------------------|----------------------------------------------------|------------------------|-------------------------------------------|-------------------------|
| PCB                               | WALEX<br>ELECTRONIC<br>(WUXI) CO LTD               | T2, T2A, T2B<br>T4     | Min. 1.6 mm thickness,<br>min. V-0, 130 ℃ | UL                      |
| PCB (alt)                         | DONGGUAN HE<br>TONG<br>ELECTRONICS CO<br>LTD       | CEM1<br>2V0<br>FR4     | Min. 1.6 mm thickness,<br>min. V-0, 130 ℃ | UL                      |
| PCB (alt)                         | CHEERFUL<br>ELECTRONIC<br>(HK) LTD                 | 02<br>03<br>03A        | Min. 1.6 mm thickness,<br>min. V-0, 130 ℃ | UL                      |
| PCB (alt)                         | DONGGUAN<br>DAYSUN<br>ELECTRONIC CO<br>LTD         | DS2                    | Min. 1.6 mm thickness,<br>min. V-0, 130 ℃ | UL                      |
| PCB (alt)                         | SUZHOU CITY<br>YILIHUA<br>ELECTRONICS CO<br>LTD    | YLH-1                  | Min. 1.6 mm thickness,<br>min. V-0, 130 ℃ | UL                      |
| PCB (alt)                         | SHANGHAI AREX<br>PRECISION<br>ELECTRONIC CO<br>LTD | 02V0<br>04V0           | Min. 1.6 mm thickness,<br>min. V-0, 130 ℃ | UL                      |
| PCB (alt)                         | BRITE PLUS<br>ELECTRONICS<br>(SUZHOU) CO<br>LTD    | DKV0-3A<br>DGV0-3A     | Min. 1.6 mm thickness,<br>min. V-0, 130 ℃ | UL                      |
| PCB (alt)                         | KUOTIANG ENT<br>LTD                                | C-2<br>C-2A            | Min. 1.6 mm thickness,<br>min. V-0, 130 ℃ | UL                      |
| PCB (alt)                         | SHENZHEN<br>TONGCHUANGXIN<br>ELECTRONICS CO<br>LTD | TCX                    | Min. 1.6 mm thickness,<br>min. V-0, 130 ℃ | UL                      |
| PCB (alt)                         | PACIFIC WIN<br>INDUSTRIAL LTD                      | PW-02<br>PW-03         | Min. 1.6 mm thickness,<br>min. V-0, 130 ℃ | UL                      |
| PCB (alt)                         | YUANMAN<br>PRINTED CIRCUIT<br>CO LTD               | 1V0                    | Min. 1.6 mm thickness,<br>min. V-0, 130 ℃ | UL                      |
| PCB (alt)                         | SUZHOU XINKE<br>ELECTRONICS CO<br>LTD              | XK-2, XK-3             | Min. 1.6 mm thickness,<br>min. V-0, 130 ℃ | UL                      |

[서식 CP401-18-00]



# 기 술 문 서 Technical Document

page: 4 / 10

안전인증번호: HU10499 -18036A  
(Certificate No)

접수번호: 20180125 - 0008  
(Receipt No)

| 부품명(회로기호)<br>Components(Part no.) | 제조사(상표명)<br>Manufacturer(Brand)                             | 모델명(형식)<br>Model(Type) | 정격 또는 특성<br>(Technical Data)              | 인증규격<br>(Certification) |
|-----------------------------------|-------------------------------------------------------------|------------------------|-------------------------------------------|-------------------------|
| PCB (alt)                         | KUNSHAN CITY<br>HUA SHENG<br>CIRCUIT BOARD<br>CO LTD        | HS-S                   | Min. 1.6 mm thickness,<br>min. V-0, 130 ℃ | UL                      |
| PCB (alt)                         | JIANGSU DIFEIDA<br>ELECTRONICS CO<br>LTD                    | DFD-1                  | Min. 1.6 mm thickness,<br>min. V-0, 130 ℃ | UL                      |
| PCB (alt)                         | HUIZHOU<br>SHUNJIA<br>ELECTRONICS CO<br>LTD                 | SJ-B                   | Min. 1.6 mm thickness,<br>min. V-0, 130 ℃ | UL                      |
| Fuse (F1,F2)                      | Conquer<br>Electronics Co.,<br>Ltd.                         | MST series             | T 1.6 A, 250 V;                           | IEC                     |
| Fuse (F1,F2) (alt)                | Ever Island<br>Electric Co., Ltd.<br>And Walter<br>Electric | 2010, ICP              | T 1.6 A, 250 V;                           | IEC                     |
| Fuse (F1,F2) (alt)                | Bel Fuse Ltd.                                               | RST-Serie(s)           | T 1.6 A, 250 V;                           | IEC                     |
| Fuse (F1,F2) (alt)                | Cooper Bussmann<br>LLC                                      | SS-5                   | T 1.6 A, 250 V;                           | IEC                     |
| Fuse (F1,F2) (alt)                | Shenzhen Lanson<br>Electronics Co.<br>Ltd.                  | SMT                    | T 1.6 A, 250 V;                           | IEC                     |
| Fuse (F1,F2) (alt)                | Das & Sons<br>International Ltd.                            | 385T series            | T 1.6 A, 250 V;                           | IEC                     |
| Fuse (F1,F2) (alt)                | Dongguan Better<br>Electronics<br>Technology Co.,<br>Ltd.   | 932                    | T 1.6 A, 250 V;                           | IEC                     |
| Fuse (F1,F2) (alt)                | Hollyland Company<br>Limited                                | 5ET                    | T 1.6 A, 250 V;                           | IEC                     |
| Fuse (F1,F2) (alt)                | Sunny East<br>Enterprise Co. Ltd.                           | CFD-Serie(s)           | T 1.6 A, 250 V;                           | IEC                     |
| Fuse (F1,F2) (alt)                | Conquer<br>Electronics Co.,<br>Ltd                          | MET series             | T 1.6 A, 250 V;                           | IEC                     |
| Fuse (F1,F2) (alt)                | Zhongshan Lanbao<br>Electrical<br>Appliances Co.,<br>Ltd.   | RTI-10 Serie(s)        | T 1.6 A, 250 V;                           | IEC                     |
| Bridging resistor                 | TY-Ohm Suzhou<br>Electronic Works<br>Co. Ltd                | RT                     | 10 MΩ, 1 W                                | -                       |
| Bridging resistor<br>(alt)        | Yageo Components<br>(Suzhou) Co. Ltd                        | HHV                    | 10 MΩ, 1 W                                | -                       |

[서식 CP401-18-00]



# 기술 문서 Technical Document

page: 5 / 10

안전인증번호: HU10499 -18036A  
(Certificate No)

접수번호: 20180125 - 0008  
(Receipt No)

| 부품명(회로기호)<br>Components(Part no.) | 제조사(상표명)<br>Manufacturer (Brand)                                     | 모델명(형식)<br>Model (Type) | 정격 또는 특성<br>(Technical Data)    | 인증규격<br>(Certification) |
|-----------------------------------|----------------------------------------------------------------------|-------------------------|---------------------------------|-------------------------|
| Y capacitor (CY1, CY2)            | TDK-EPC Corporation, Capacitors Group Circuit Devices Business Group | CD                      | Y1, AC 250 V, max 2200 pF       | IEC                     |
| Y capacitor (CY1, CY2) (alt)      | Success Electronics Co., Ltd.                                        | CD                      | Y1, AC 250 V, max 2200 pF       | IEC                     |
| Y capacitor (CY1, CY2) (alt)      | Success Electronics Co., Ltd                                         | CD                      | Y1, AC 250 V, max 2200 pF       | IEC                     |
| Y capacitor (CY1, CY2) (alt)      | Murata Mfg. Co., Ltd.                                                | CD                      | Y1, AC 250 V, max 2200 pF       | IEC                     |
| Y capacitor (CY1, CY2) (alt)      | Walsin Technology Corp.                                              | CD                      | Y1, AC 250 V, max 2200 pF       | IEC                     |
| Y capacitor (CY1, CY2) (alt)      | JYA-NAY Co., Ltd.                                                    | CD                      | Y1, AC 250 V, max 2200 pF       | IEC                     |
| Y capacitor (CY1, CY2) (alt)      | Haohua Electronic Co                                                 | CD                      | Y1, AC 250 V, max 2200 pF       | IEC                     |
| Y capacitor (CY1, CY2) (alt)      | Jyh Chung Electronic Co., Ltd                                        | CD                      | Y1, AC 250 V, max 2200 pF       | IEC                     |
| Y capacitor (CY1, CY2) (alt)      | Jerro Electronics Corp.                                              | CD                      | Y1, AC 250 V, max 2200 pF       | IEC                     |
| X capacitor (CX1)                 | Tenta Electric Industrial Co. Ltd.                                   | MEX                     | Min. 250 VAC, Max. 0.47 $\mu$ F | IEC                     |
| X capacitor (CX1) (alt)           | Joey Electronics (Dong Guan) Co., Ltd                                | MPX                     | Min. 250 VAC, Max. 0.47 $\mu$ F | IEC                     |
| X capacitor (CX1) (alt)           | Ultra Tech Xiphi Enterprise Co. Ltd                                  | HQX                     | Min. 250 VAC, Max. 0.47 $\mu$ F | IEC                     |
| X capacitor (CX1) (alt)           | Yuan Yu Electronics Co. Ltd.                                         | MPX                     | Min. 250 VAC, Max. 0.47 $\mu$ F | IEC                     |
| X capacitor (CX1) (alt)           | Sinhua Electronics (Huzhou) Co., Ltd                                 | MPX                     | Min. 250 VAC, Max. 0.47 $\mu$ F | IEC                     |
| X capacitor (CX1) (alt)           | Jiangsu Xinghua Huayu Electronics Co., Ltd                           | MPX - Series            | Min. 250 VAC, Max. 0.47 $\mu$ F | IEC                     |
| X capacitor (CX1) (alt)           | Dain Electronics Co., Ltd.                                           | MEX, MPX, NPX           | Min. 250 VAC, Max. 0.47 $\mu$ F | IEC                     |
| X capacitor (CX1) (alt)           | Shenzhen Jinghao Capacitor Co., Ltd.                                 | CBB62B                  | Min. 250 VAC, Max. 0.47 $\mu$ F | IEC                     |
| Photo coupler (U3)                | Everlight Electronics Co., Ltd.                                      | EL817                   | Dti= 0.5 mm                     | IEC                     |

[서식 CP401-18-00]



# 기술문서 Technical Document

page: 6 / 10

안전인증번호: HU10499 -18036A  
(Certificate No)

접수번호: 20180125 - 0008  
(Receipt No)

| 부품명(회로기호)<br>Components(Part no.) | 제조사(상표명)<br>Manufacturer(Brand)                                          | 모델명(형식)<br>Model(Type)                         | 정격 또는 특성<br>(Technical Data)                                                                                          | 인증규격<br>(Certification) |
|-----------------------------------|--------------------------------------------------------------------------|------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-------------------------|
| Photo coupler (U3)<br>(alt)       | COSMO<br>Electronics<br>Corporation                                      | K1010 / KP1010                                 | Dti= 0.6 mm                                                                                                           | IEC                     |
| Photo coupler (U3)<br>(alt)       | Lite-On<br>Technology<br>Corporation                                     | LTV-817                                        | Dti= 0.8 mm                                                                                                           | IEC                     |
| Photo coupler (U3)<br>(alt)       | Fairchild<br>Semiconductor Pte<br>Ltd.                                   | H11A817B /<br>FOD817B                          | Insulation voltage: 850V;<br>Transient overvoltage:<br>6000V; CTI175; Int. Cr/<br>Ext. Cr: ≥7,0/ 7,0 mm;<br>30/110/21 | IEC                     |
| Photo coupler (U3)<br>(alt)       | Sharp Corporation<br>Electronic<br>Components and<br>Devices Group       | PC817                                          | Insulation voltage: 890V;<br>Transient overvoltage:<br>9000V Int. Cr/ Ext. Cr:<br>7.62/ 7.62 mm; 30/100/21            | IEC                     |
| Photo coupler (U3)<br>(alt)       | Bright Led<br>Electronics Corp                                           | BPC-817<br>A/B/C/D/L<br>BPC-817 M<br>BPC-817 S | Dti= 0.4 mm                                                                                                           | IEC                     |
| Photo coupler (U3)<br>(alt)       | Toshiba<br>Corporation<br>Semiconductor<br>& Storage<br>Products Company | TLP781F                                        | Dti> 0.4 mm                                                                                                           | IEC                     |
| Varistor (MOV1)                   | Thinking<br>Electronic<br>Industrial Co., Ltd                            | TVR10471K,<br>TVR14471K                        | Max. Continuous voltage:<br>min 300Vac(rms), 85 ℃,<br>The coating is V-0                                              | IEC                     |
| Varistor (MOV1)<br>(alt)          | Centra Science<br>Corp                                                   | 10D471K, 14D471K                               | Max. Continuous voltage:<br>min 300Vac(rms), 85 ℃,<br>The coating is V-0                                              | IEC                     |
| Varistor (MOV1)<br>(alt)          | Success<br>Electronics Co.,<br>Ltd.                                      | SVR10D471K<br>SVR14D471K                       | Max. Continuous voltage:<br>min 300Vac(rms), 85 ℃,<br>The coating is V-0                                              | IEC                     |
| Varistor (MOV1)<br>(alt)          | Walsin Technology<br>Co., Ltd.                                           | 14D471K                                        | Max. Continuous voltage:<br>min 300Vac(rms), 85 ℃,<br>The coating is V-0                                              | IEC                     |
| Varistor (MOV1)<br>(alt)          | Lien Shun<br>Electronics Co.,<br>Ltd.                                    | 14D471K                                        | Max. Continuous voltage:<br>min 300Vac(rms), 85 ℃,<br>The coating is V-0                                              | IEC                     |
| Varistor (MOV1)<br>(alt)          | Ceramate Techn.<br>Co., Ltd                                              | GNR10D471K<br>GNR14D471K                       | Max. Continuous voltage:<br>min 300Vac(rms), 85 ℃,<br>The coating is V-0                                              | IEC                     |
| Varistor (MOV1)<br>(alt)          | Brightking<br>(Shenzhen) Co.,<br>Ltd.                                    | 14D471K 10D471K                                | Max. Continuous voltage:<br>min 300Vac(rms), 85 ℃,<br>The coating is V-0                                              | IEC                     |
| Varistor (MOV1)<br>(alt)          | Joyin Co., Ltd.                                                          | JVR10N471K<br>JVR14N471K                       | Max. Continuous voltage:<br>min 300Vac(rms), 85 ℃,<br>The coating is V-0                                              | IEC                     |

[서식 CP401-18-00]



# 기술 문서 Technical Document

page: 7 / 10

안전인증번호: HU10499 -18036A  
(Certificate No)

접수번호: 20180125 - 0008  
(Receipt No)

| 부품명(회로기호)<br>Components(Part no.)                   | 제조사(상표명)<br>Manufacturer (Brand)                           | 모델명(형식)<br>Model (Type) | 정격 또는 특성<br>(Technical Data) | 인증규격<br>(Certification) |
|-----------------------------------------------------|------------------------------------------------------------|-------------------------|------------------------------|-------------------------|
| Appliance inlet<br>(CON1) (For T3<br>models)        | Zhejiang LECI<br>Electronics Co.,<br>Ltd.                  | DB-14                   | 10 A, 250 Vac, C14           | IEC                     |
| Appliance inlet<br>(CON1) (For T3<br>models) (alt)  | Rich Bay Co., Ltd.                                         | R-301SN                 | 10 A, 250 Vac, C14           | IEC                     |
| Appliance inlet<br>(CON1) (For T3<br>models) (alt)  | Sun Fair Electric<br>Wire & Cable<br>(HK)Co. Ltd           | S-03                    | 10 A, 250 Vac, C14           | IEC                     |
| Appliance inlet<br>(CON1) (For T3<br>models) (alt)  | TECX-UNIONS<br>Technology<br>Corporation                   | TU-301-S,<br>TU-301-SP  | 10 A, 250 Vac, C14           | IEC                     |
| Appliance inlet<br>(CON1) (For T3<br>models) (alt)  | Rong Feng<br>Industrial Co., Ltd                           | SS-120                  | 10 A, 250 Vac, C14           | IEC                     |
| Appliance inlet<br>(CON1) (For T3<br>models) (alt)  | Inalways<br>Corporation                                    | 0711                    | 10 A, 250 Vac, C14           | IEC                     |
| Appliance inlet<br>(CON1) (For T3<br>models) (alt)  | Zhe Jiang Bei Er<br>jia                                    | ST-A01-003J             | 10 A, 250 Vac, C14           | IEC                     |
| Appliance inlet<br>(CON1) (For T3A<br>models) (alt) | Zhejiang LECI<br>Electronics Co.,Ltd                       | DB-6                    | 2.5 A, 250 Vac, C6           | IEC                     |
| Appliance inlet<br>(CON1) (For T3A<br>models) (alt) | Rich Bay Co.,Ltd.                                          | R-30790                 | 2.5 A, 250 Vac, C6           | IEC                     |
| Appliance inlet<br>(CON1) (For T3A<br>models) (alt) | Sun Fair Electric<br>Wire & Cable (HK)<br>Co.,Ltd.         | S-02                    | 2.5 A, 250 Vac, C6           | IEC                     |
| Appliance inlet<br>(CON1) (For T3A<br>models) (alt) | TECX-UNIONS<br>Technology<br>Corporation                   | TU-333                  | 2.5 A, 250 Vac, C6           | IEC                     |
| Appliance inlet<br>(CON1) (For T3A<br>models) (alt) | Rong Feng<br>Industrial Co.,Ltd.                           | RF-190                  | 2.5 A, 250 Vac, C6           | IEC                     |
| Appliance inlet<br>(CON1) (For T3A<br>models) (alt) | Inalways<br>Corporation                                    | 0724                    | 2.5 A, 250 Vac, C6           | IEC                     |
| Appliance inlet<br>(CON1) (For T3A<br>models) (alt) | Zhe Jiang Bei Er<br>jia                                    | ST-A04-002              | 2.5 A, 250 Vac, C6           | IEC                     |
| Appliance inlet<br>(CON1) (For T3A<br>models) (alt) | Shenzhen Delikang<br>Electronics<br>Technology<br>Co.,Ltd. | CDJ-2                   | 2.5 A, 250 Vac, C6           | IEC                     |

[서식 CP401-18-00]



# 기술 문서 Technical Document

page: 8 / 10

안전인증번호: HU10499-18036A  
(Certificate No)

접수번호: 20180125 - 0008  
(Receipt No)

| 부품명(회로기호)<br>Components(Part no.)                      | 제조사(상표명)<br>Manufacturer(Brand)                                                                                        | 모델명(형식)<br>Model(Type) | 정격 또는 특성<br>(Technical Data)                       | 인증규격<br>(Certification) |
|--------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|------------------------|----------------------------------------------------|-------------------------|
| Transformer (T1)                                       | ENG / GlobTek /<br>BOAM /<br>HAOPUWEI                                                                                  | TF043                  | Class B                                            | -                       |
| Triple- insulated<br>wire (Secondary)<br>(of T1)       | Great Leoflon<br>Industrial Co., Ltd                                                                                   | TRW (B) Serie(s)       | Class B                                            | VDE                     |
| Triple- insulated<br>wire (Secondary)<br>(of T1) (alt) | COSMOLINK CO.<br>Ltd.                                                                                                  | TIW-M Serie(s)         | Class B                                            | VDE                     |
| Triple- insulated<br>wire (Secondary)<br>(of T1) (alt) | Furukawa Electric<br>Co., Ltd.<br>Electronics &<br>Automotive<br>Systems Company<br>Global Business<br>Development Div | TEX-E                  | Class B                                            | VDE                     |
| Triple- insulated<br>wire (Secondary)<br>(of T1) (alt) | TOTOKU<br>ELECTRIC CO<br>LTD                                                                                           | TIW-2                  | Class B                                            | VDE                     |
| Triple- insulated<br>wire (Secondary)<br>(of T1) (alt) | E&B<br>TECHNOLOGY CO<br>LTD                                                                                            | E&B-XXXB<br>E&B-XXXB-1 | Class B                                            | VDE                     |
| Triple- insulated<br>wire (Secondary)<br>(of T1) (alt) | CHANGYUAN<br>ELECTRONICS<br>(SHENZHEN) CO<br>LTD                                                                       | CB-TIW                 | Class B                                            | VDE                     |
| Triple- insulated<br>wire (Secondary)<br>(of T1) (alt) | SHENZHEN<br>JIUDING NEW<br>MATERIAL CO<br>LTD                                                                          | DTIW-B                 | Class B                                            | VDE                     |
| Bobbin (of T1)                                         | CHANG CHUN<br>PLASTICS CO<br>LTD                                                                                       | T375J<br>T375HF        | V-0, 150 ℃, thickness<br>0.45 mm min.              | UL                      |
| Bobbin (of T1) (alt)                                   | CHANG CHUN<br>PLASTICS CO<br>LTD                                                                                       | 4130                   | V-0, 150 ℃, thickness<br>0.74 mm min.              | UL                      |
| Bobbin (of T1) (alt)                                   | SUMITOMO<br>BAKELITE CO<br>LTD                                                                                         | PM-9820                | V-0, 150 ℃, thickness<br>0.45 mm min.              | UL                      |
| Bobbin (of T1) (alt)                                   | HITACHI<br>CHEMICAL CO<br>LTD                                                                                          | CP-J-8800              | V-0, 150 ℃, thickness<br>0.45 mm min.              | UL                      |
| Enclosure                                              | SABIC<br>INNOVATIVE<br>PLASTICS B V                                                                                    | SE1X, SE1              | PPE+ PS, Min. V-1, Min.<br>thickness:2.0 mm, 105 ℃ | UL                      |
| Enclosure (alt)                                        | SABIC<br>INNOVATIVE<br>PLASTICS B V                                                                                    | SE100                  | PPE+ PS, Min. V-1, Min.<br>thickness:2.0 mm, 95 ℃  | UL                      |

[서식 CP401-18-00]



## page: 9 / 10

접수번호: 20180125 - 0008  
(Receipt No)

| 부품명(회로기호)<br>Components(Part no.) | 제조사(상표명)<br>Manufacturer(Brand)     | 모델명(형식)<br>Model(Type) | 정격 또는 특성<br>(Technical Data)                     | 인증규격<br>(Certification) |
|-----------------------------------|-------------------------------------|------------------------|--------------------------------------------------|-------------------------|
| Enclosure (alt)                   | SABIC<br>INNOVATIVE<br>PLASTICS B V | C2950                  | PC/ABS, Min. V-0, Min.<br>thickness:2.0 mm, 85 ℃ | UL                      |
| Enclosure (alt)                   | SABIC<br>INNOVATIVE<br>PLASTICS B V | CX7211<br>EXCY0098     | PC/ABS, Min. V-1, Min.<br>thickness:2.0 mm, 90 ℃ | UL                      |
| Enclosure (alt)                   | SABIC<br>INNOVATIVE<br>PLASTICS B V | 945                    | PC, Min. V-1, Min.<br>thickness:2.0 mm, 120 ℃    | UL                      |
| Enclosure (alt)                   | SABIC<br>INNOVATIVE<br>PLASTICS B V | HF500R                 | PC, V-0, Min.<br>thickness:2.0 mm, 125 ℃         | UL                      |
| Enclosure (alt)                   | TEIJIN<br>CHEMICALS LTD             | LN-1250P<br>LN-1250G   | PC, Min. V-0, Min.<br>thickness:2.0 mm, 115 ℃    | UL                      |
| Coupler                           | GlobTek, Inc.                       | Q-coupler              | Max. 240V,<br>Max. 2.0A                          | -                       |

# 기술 문서 Technical Document

page: 10 / 10

안전인증번호: HU10499 -18036A  
(Certificate No)

접수번호: 20180125 - 0008  
(Receipt No)

## 3. 전기용품안전인증의 변경현황(Status of Certificate Revisions)

| 일자(Date)   | 발급현황(Status of issues)          |
|------------|---------------------------------|
|            | 변경내용(Modification of Contents)  |
| 2018/05/23 | 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: HU10499-18036A

접수번호: 20180125-0008

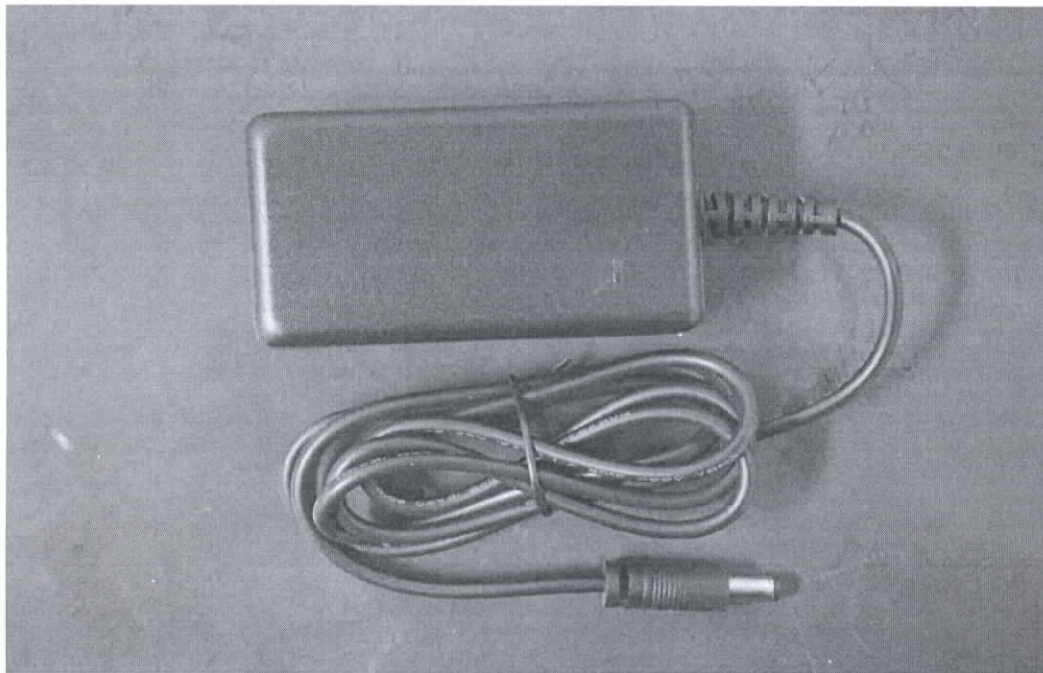
## No.1 표시사항

### 전기용품안전관리법에 의한 표시

|                         |                                                                                                               |
|-------------------------|---------------------------------------------------------------------------------------------------------------|
| 안전인증번호                  | HUXXXXXX-XXXXX                                                                                                |
| 제 품 명(产 品 名)            | 직류전원장치(AC/DC Adapter)                                                                                         |
| 모 델 명(型 号 名)            | GTM96180-1817.9-5.9-T3                                                                                        |
| 정 격(额 定 参 数)            | 입력(Input): 100-240V~,50-60Hz,0.6A<br>출력(Output): 12V,1.5A                                                     |
| 제 조 자(工 厂 名)            | Glob Tek (Suzhou) Co.,Ltd                                                                                     |
| 제 조 국(制 造 国)            | 중국(China)                                                                                                     |
| 동작조건(动作条件)              | 동작시간: 분, 휴지시간: 분<br>动作时间 休止时间                                                                                 |
| A/S 연락처(A/S 韩国 售后服务联络处) | 02-3451-3400                                                                                                  |
| 제조년월(制造年月)              |                                                                                                               |
| 주의사항(注意事项)              | 1. 젖은 손으로 전원을 만지지 마십시오<br>2. 떨어뜨리거나 던지지 마십시오<br>3. 접속부가 꺾이지 않도록 주의하여 사용하십시오<br>4. 사용전에 반드시 사용설명서를 읽어보시기 바랍니다. |



## No.2 외부사진

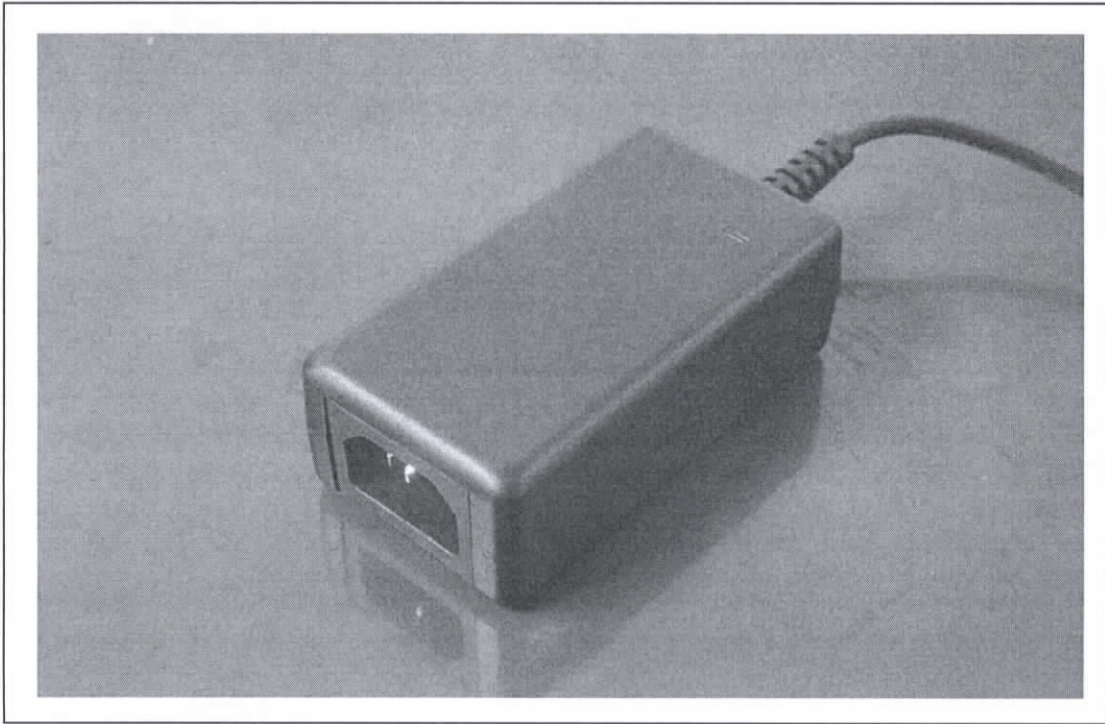


## 기술문서붙임자료

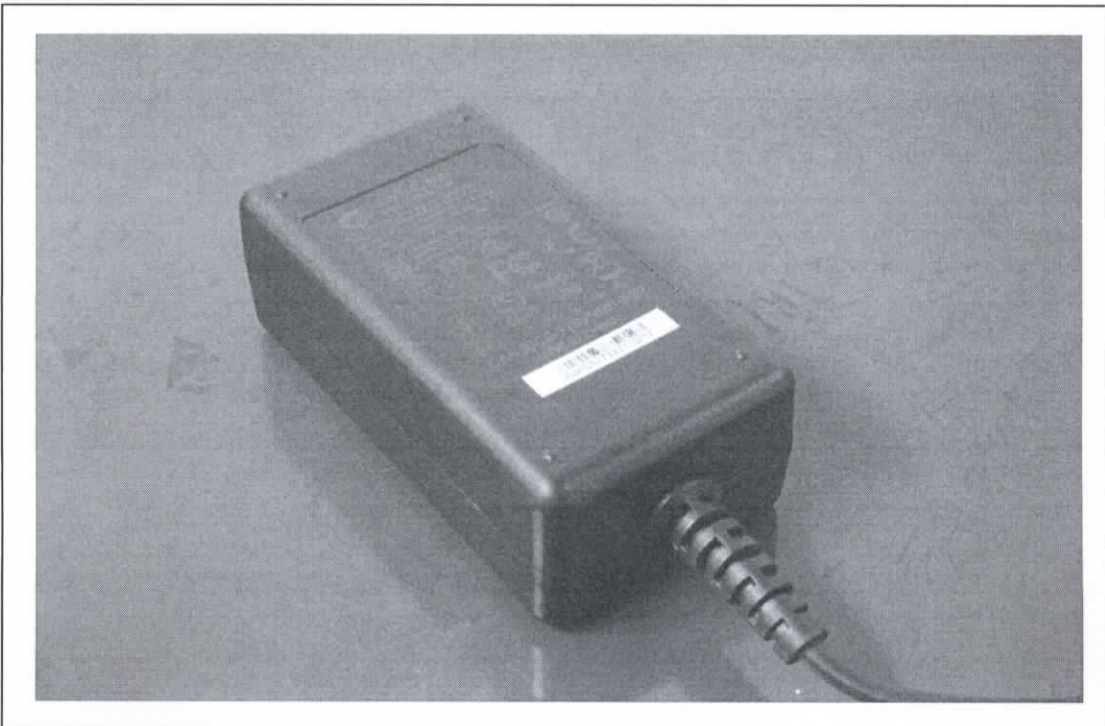
안전인증번호: HU10499-18036A

접수번호: 20180125-0008

No.3 외부사진



No.4 외부사진

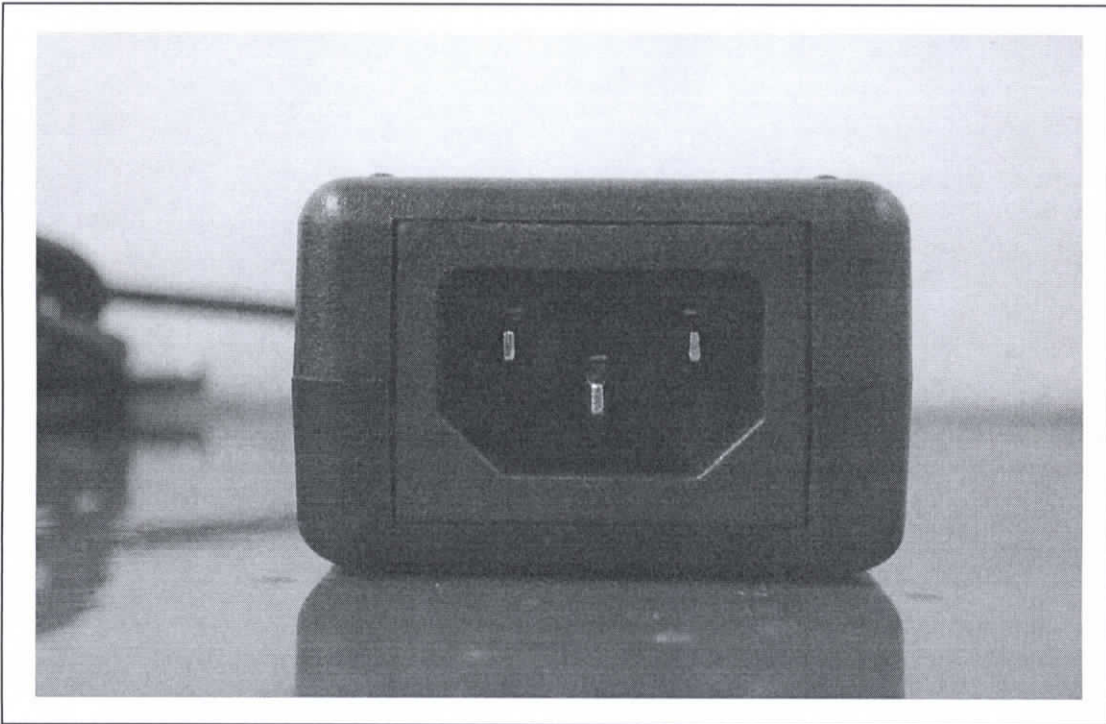


## 기술문서붙임자료

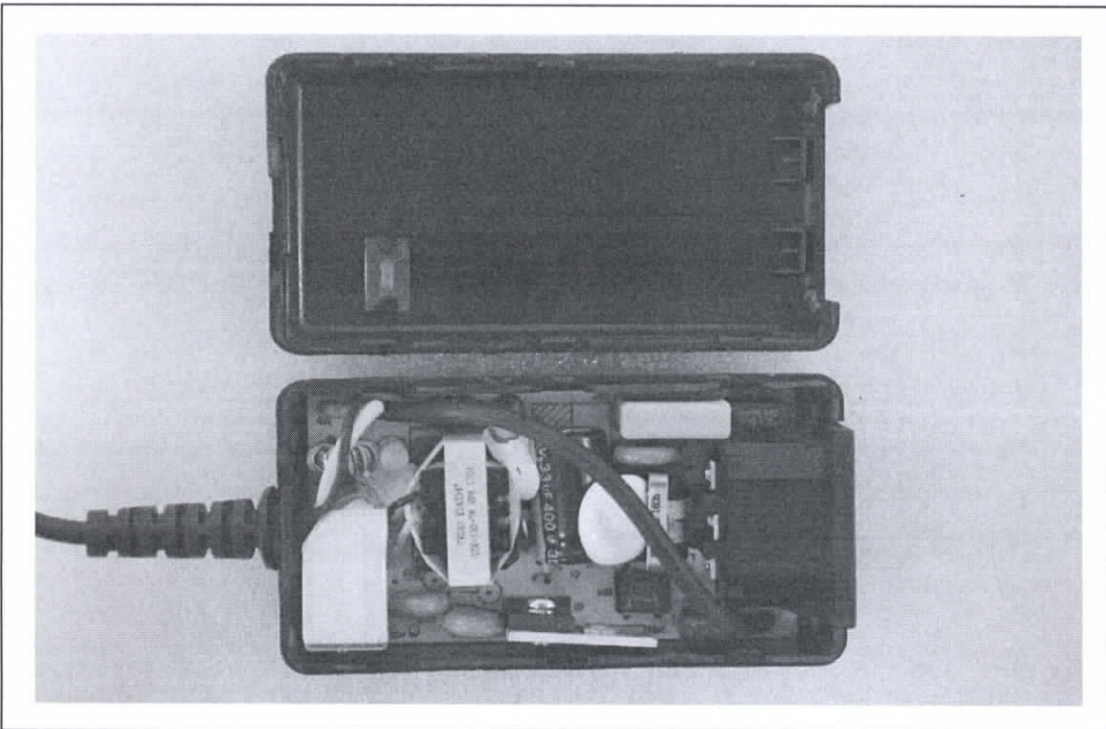
안전인증번호: HU10499-18036A

접수번호: 20180125-0008

No.5 외부사진



No.6 내부사진

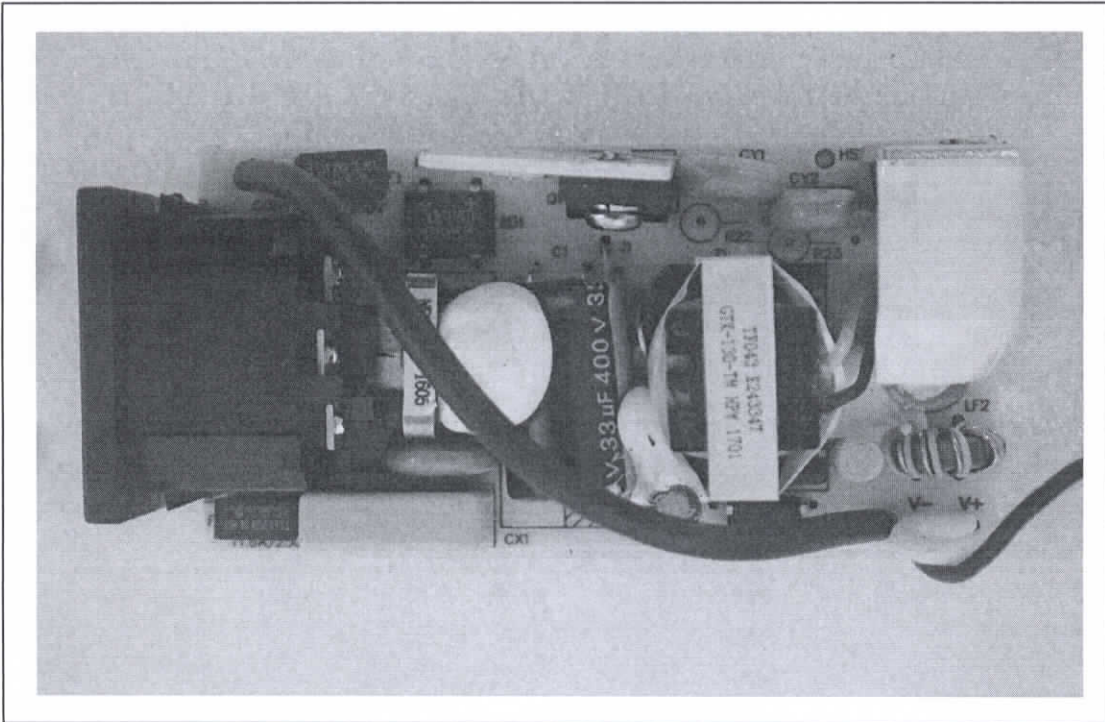


## 기술문서붙임자료

안전인증번호: HU10499-18036A

접수번호:20180125-0008

## No.7 내부사진



## No.8 내부사진

