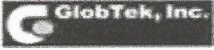


RECOGNIZED COMPONENT Constructional Data Report (CDR)

1.0 Reference and Address			
Report Number	140900043SHA-001	Original Issued: 22-Sep-2014	Revised: 15-Jan-2016
Standard(s)	Class 2 Power Units – UL 1310 Sixth Edition Dated August 26, 2011 containing Revisions through and including December 12, 2014		
	Power Supplies with Extra-low Voltage Class 2 Outputs – CSA C22.2 No.223-M91 Dated June 1991, Reaffirmed 2013 with General Instruction No. 1 Dated June 1991 and Update No. 2 Dated September 2009		
Applicant	GlobTek, Inc.	Manufacturer	GlobTek (Suzhou) Co., Ltd
Address	186 Veterans Dr. Northvale, NJ 07647 USA	Address	Building 4, No. 76 JinLing East Road, Suzhou Industrial Park, Suzhou, JiangSu, 215021, China
Country	USA	Country	CHINA
Contact	Mr. HANS Moritz	Contact	Ms.Demon Zhou
Phone	(201)784-1000	Phone	86 512 6279 0301 Ext 178
FAX	(201)784-0111	FAX	86 512 6279 0355
Email	Moritzh@globtek.com	Email	demon.zhou@globtek.cn

2.0 Product Description	
Product	Class 2 Power Supply
Brand name	
Description	The products covered by this report are class 2 power supplies which is supplied by 100-240V 50-60Hz or 120V~ 60Hz mains. The direct plug-in models are intended to be used by travelers and the open frame type models are intended to be installed in end product.
Models	GT-41134-0606-W2-TAB, GT*41134*****, GT*96060***** (where * in the model name are letters or numbers or blank)
Model Similarity	<p>The 1st "*" part can be 'M' or '-' or 'H' for market identification and not related to safety. The 2nd "*" part can be "-" or "CC", "-" = Constant Voltage Model, CC = Constant Current Model. The 3rd "*" denotes the rated output wattage designation, which can be "01" to "06", with interval of 1. The 4th "*" denotes the standard rated output voltage designation, which can be "03", "04", "06", "12", "15", "18", "24" or "36". These standard rated output voltage designations correspond to seven isolated transformer models. Each transformer model is identical in insulation construction including clearance and creepage except number of turns per coil. The 5th "*" is optional deviation, subtracted from standard output voltage, which can be "-0.1" to "-11.9" with interval of 0.1, or blank to indicate no voltage different. The 4th "*" and 5th "*" together denote the output voltage, with a range of 3.3 - 36 volts. The 6th "*" = Blank means directly plug in model series, = "-F" means Class I open frame model with connector which is fixing on the PCB, = "-FW" means Class II open frame model with connector which is fixing on the PCB. = "-FWT2" means open frame model with appliance inlet with Class II inlet C8 respectively, = "-FT3A" means open frame model with appliance inlet with Class I inlet C6 respectively, = "-FT3" means open frame model with appliance inlet with Class I inlet C14 respectively, The last * denote any six character = 0-9 or A-Z or ([] or - or blank for marketing purposes.</p> <p>Transformers used in models of GT*41134***** and GT*96060***** are with similar construction. The turns of secondary winding may be added or reduced according different output voltage. The whole coil of transformer for GT-41134-0606-W2-TAB is wrapped by copper film. The new added structure type only use F1 fuse in primary circuit and a LED indicator (optional) used in secondary circuit. GT*96060***** is identify with GT*41134***** except for model name, models with "-F", "-FW", "-FWT2", "-FT3A" and "-FT3" is longer than models without these letters due to input and output connectors or connection wires employed. Some non-critical components may be adjusted according different output voltage. The parameters of these components depend on output voltage.</p> <p>Models with "-F", "-FW", "-FWT2", "-FT3A" and "-FT3" are built-in power supply boards with open frame construction which contained connectors or appliance inlet. These models shall be installed and evaluated in end product.</p>
Ratings	GT-41134-0606-W2-TAB Input: 120V~, 60 Hz, 0.3A Output: 6VDC, 1A. GT*41134***** and GT*96060***** Inout: 100-240V~, 50-60Hz, 0.3A or 0.6A Output: 3.3-36VDC, 6W max.
Other Ratings	ta: 50°C
Conditions of Acceptability	<p>The products covered in this Report are incomplete in construction features or limited in performance capabilities and are intended for use and evaluation in other products. Consideration should be given to the following when the component is used in or with another product.</p> <p>1. Suitability of the enclosure for open frame type models should be evaluated when installed in the end product. The products shall be enclosed in a enclosure without any openings.</p>

2.0 Product Description

2. Temperature Testing and Abnormal testing under an over-temperature condition should be performed on open frame type models when installed in the end product.

3. For open frame type models, the suitable wiring and terminals shall be adopted according manufacturer's specification and shall be evaluated in end product.

4. For open frame type models, in this report, products are considered as no earthing means provided. They should be evaluated in end product if earthing conductor is connected.

5. The open frame type models shall be installed on the load side of line filters or similar voltage-peak reduction networks and components in the end product.

6. The products shall be connected after the load side of line filters or similar voltage-peak reduction networks and overvoltage devices.

7. The products equipped with an interchangeable 125 V 15 A (parallel) input blade configuration (NEMA 1-15P) plug. Other interchangeable plugs provided by manufacturer also can be used by traveler but the corresponding national safety regulation shall be considered. See photo 1 of section 3 for detailed interchangeable plugs.

3.0 Product Photographs

Photo 1 - External view (Direct plug-in models of GT*41134*** with optional integral plug)**

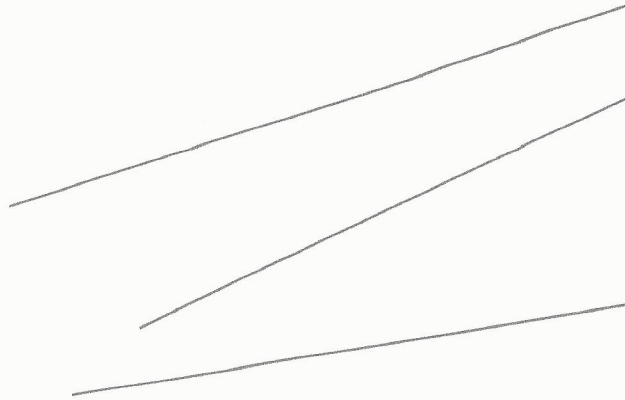
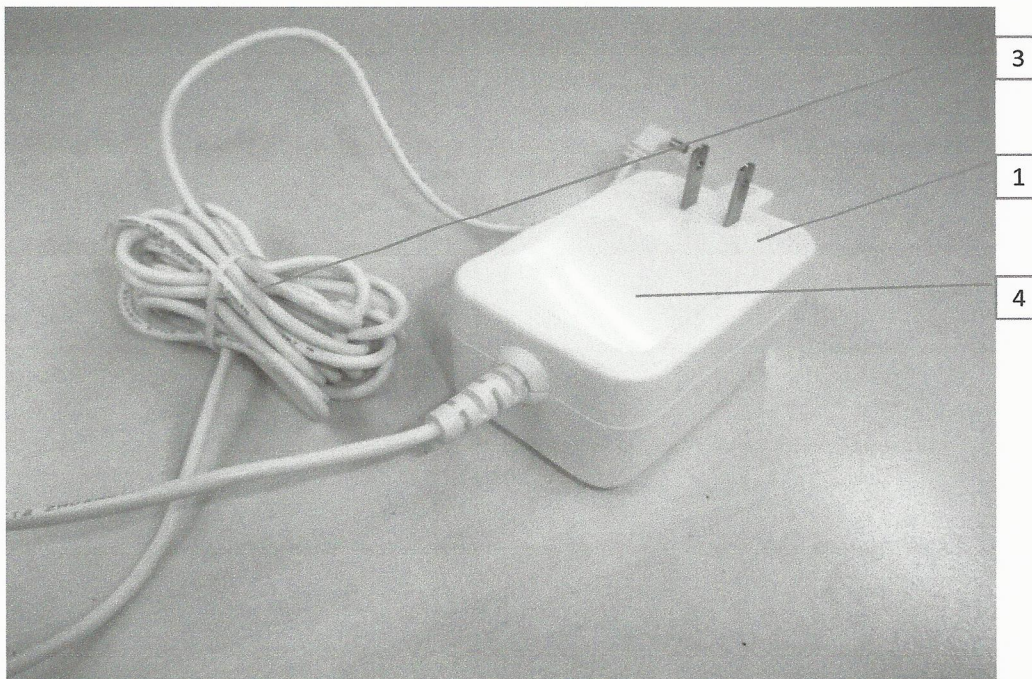


Photo 2 - External view (Direct plug-in model of of GT-41134-0606-W2-TAB)



3.0 Product Photographs

Photo 3 - Internal view (For direct plug-in models of GT*41134***)**

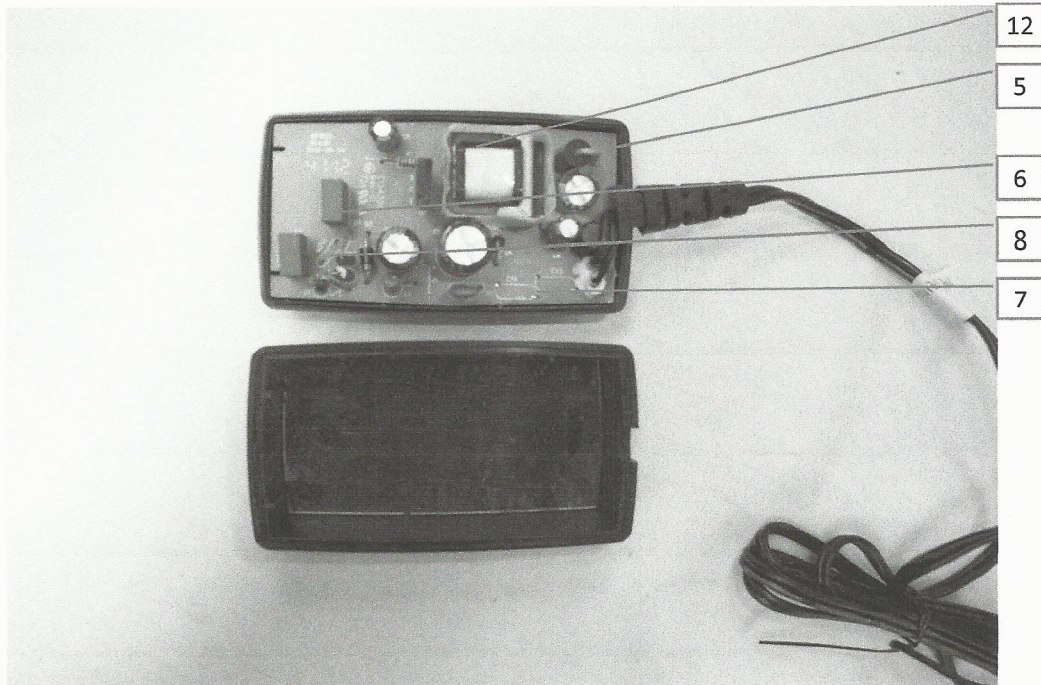
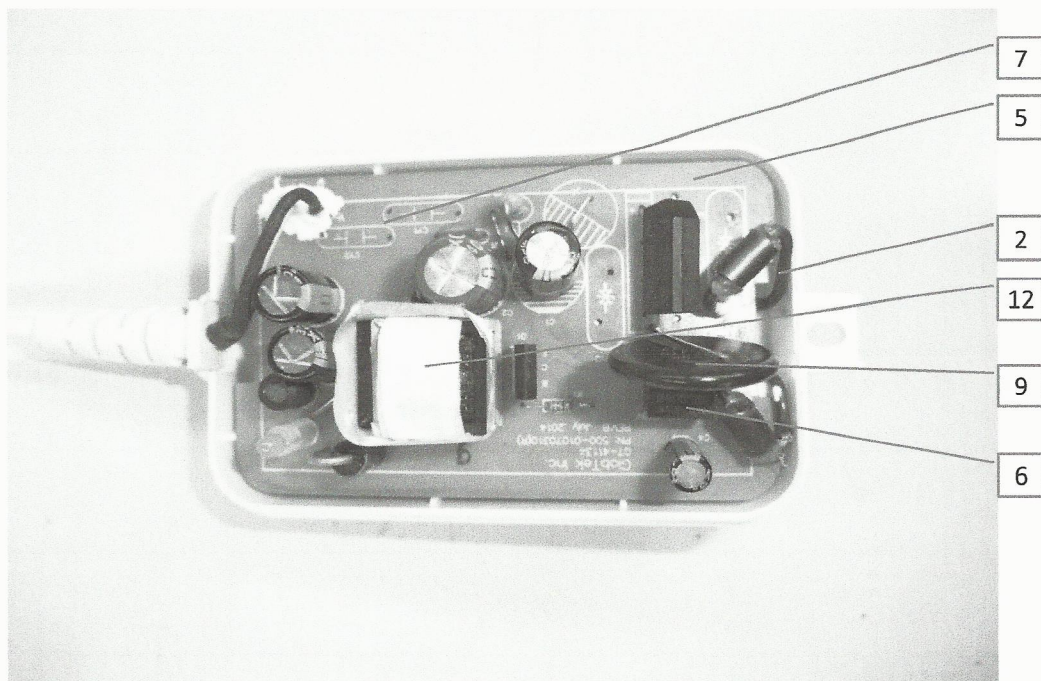


Photo 4 - Internal view (For direct plug-in model of GT-41134-0606-W2-TAB)



3.0 Product Photographs

Photo 5 - Overview for models of GT*41134-*-F and GT*41134-***-FW**

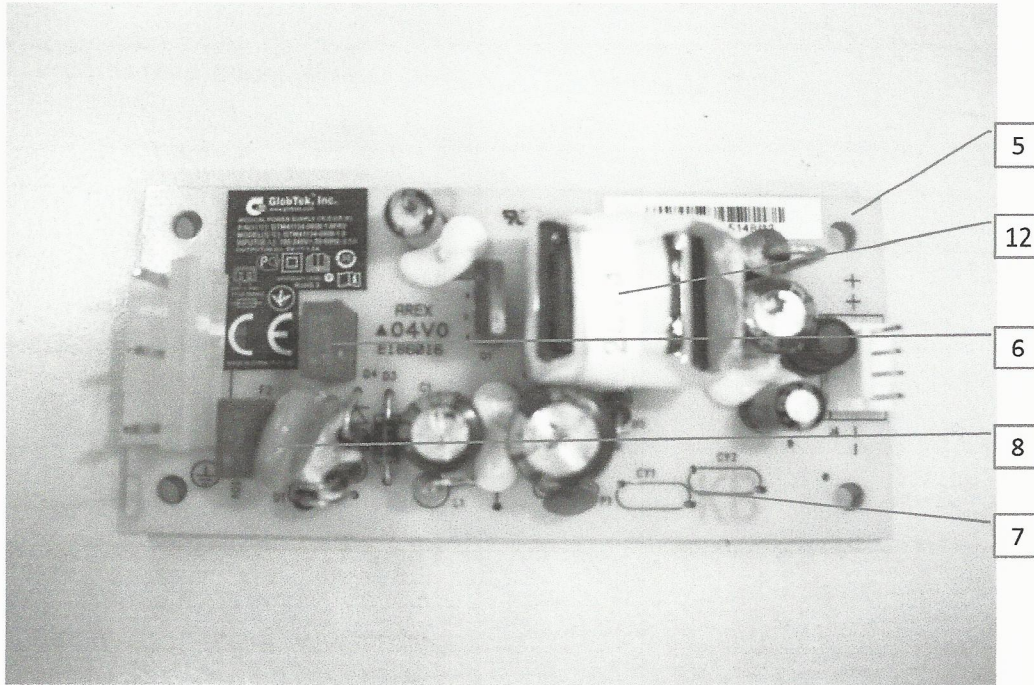
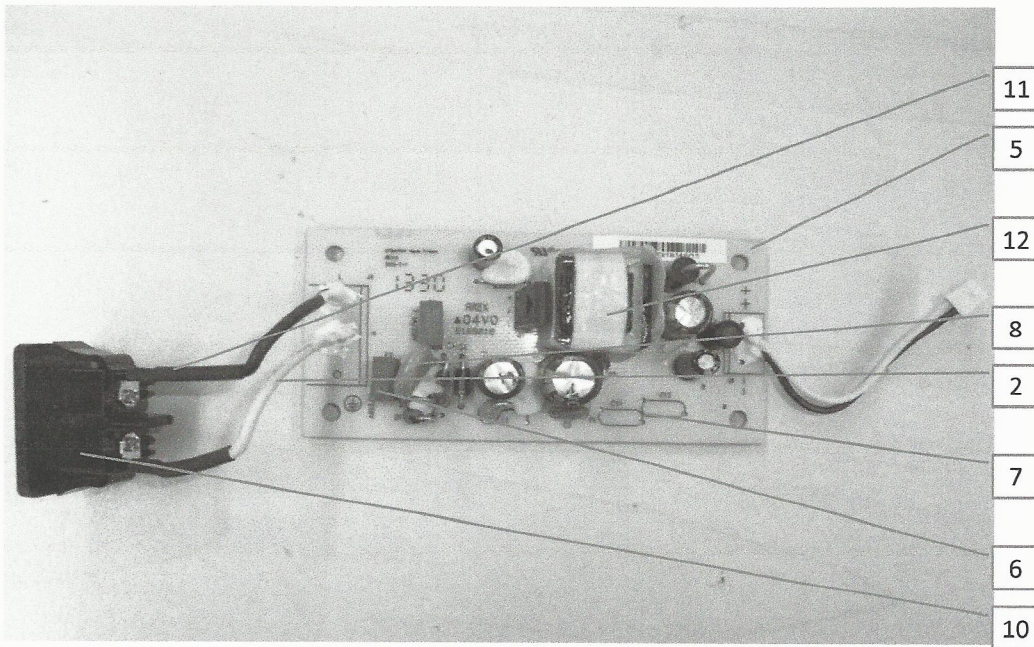


Photo 6 - Overview for models of GT*41134-*-FT* and GT*41134-***-FWT***



3.0 Product Photographs

Photo 7 - Overview for new added structure

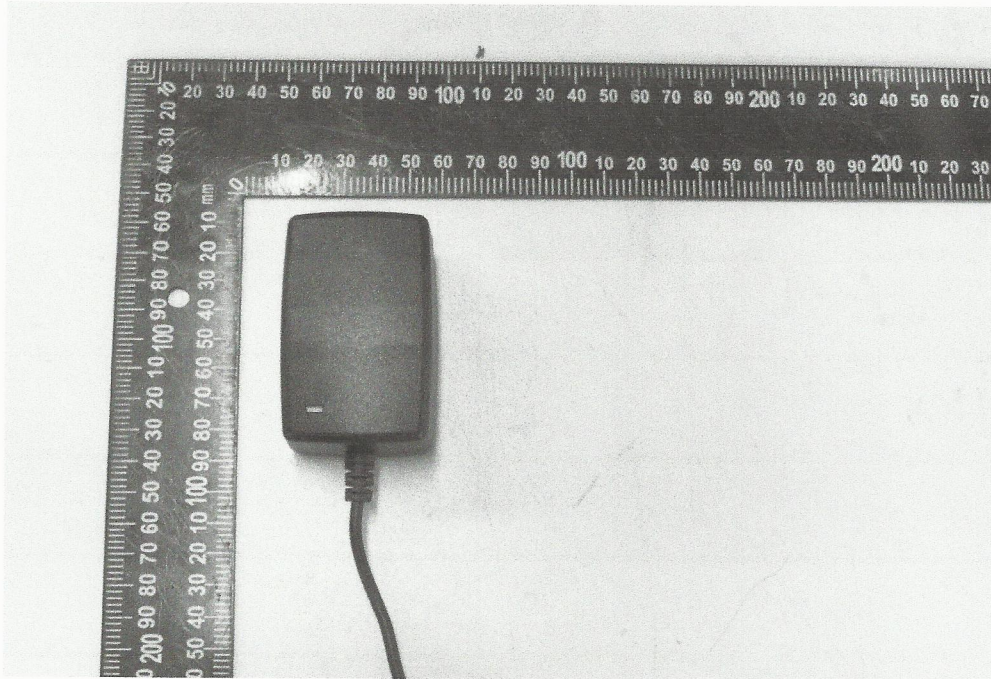


Photo 8 - Internal view for new added structure



6.0 Critical Features

Recognized Component - A component part, which has been previously evaluated by an accredited certification body with restrictions and must be evaluated as part of the basic product considering the restrictions as specified by the Conditions of Acceptability.

Listed Component - A component part, which has been previously Listed or Certified by an accredited Certification Organization with no restrictions and is used in the intended application within its ratings.

Unlisted Component - A part that has not been previously evaluated to the appropriate designated component standard. It may also be a Listed or Recognized component that is being used outside of its evaluated Listing or component recognition.

Critical Features/Components - An essential part, material, subassembly, system, software, or accessory of a product that has a direct bearing on the product's conformance to applicable requirements of the product standard.

Construction Details - For specific construction details, reference should be made to the photographs and descriptions. All dimensions are approximate unless specified as exact or within a tolerance. In addition to the specific construction details described in this Report, the following general requirements also apply.

1. Spacing -

For GT-41134-0606-W2-TAB:

In primary circuits, 3.2 mm minimum spacing are maintained through air and 3.2 mm over surfaces of insulating material between current-carrying parts of opposite polarity and 6.4mm minimum between such current-carrying parts and dead-metal parts or low voltage isolated circuits.

For GT*41134***** and GT*96060*****:

In primary circuits, 3.2 mm minimum spacing is maintained through air and over surfaces of insulating material between current-carrying parts of opposite polarity which is evaluated by UL840. 4.8 mm minimum between such current-carrying parts and low voltage isolated circuits, and 6.4mm minimum between such current-carrying parts and dead-metal parts or low voltage isolated circuits.

2. Mechanical Assembly - Components such as switches, fuseholders, connectors, wiring terminals and display lamps are mounted and prevented from shifting or rotating by the use of lockwashers, starwashers, or other mounting format that prevents turning of the component.

3. Corrosion Protection - All ferrous metal parts are protected against corrosion by painting, plating or the equivalent.

4. Accessibility of Live Parts - All uninsulated live parts in secondary circuitry are housed within a non-metallic enclosure constructed with no openings other than those specifically described in Sections 4 and 5.

5. Grounding - This product is not provided with a means of grounding.

6. Polarized Connection - This product is not provided with a polarized power supply connection.

7. Internal Wiring - Internal wiring is routed away from sharp or moving parts. Internal wiring leads terminating in soldered connections are made mechanically secure prior to soldering. Recognized Component separable (quick disconnect) connectors of the positive detent type, closed loop connectors, or other types specifically described in the text of this report are also acceptable as internal wiring terminals. At points where internal wiring passes through metal walls or partitions, the wiring insulation is protected against abrasion or damage by plastic bushings or grommets. All wiring is minimum 24 AWG, with a minimum rating of 300V, 80°C.

8. Schematics - Refer to Illustration No. 1a, 1b for schematics requiring verification during Field Representative Inspection Audits.

9. Transformer- Refer to Illustration No. 3 for transformer construction requiring verification during Field Representative Inspection Audits.

10. Plug-Refer to Illustration No. 4a, 4b for plug construction requiring verification during Field Representative Inspection Audits.

11. PWB Layout - Refer to Illustration No.2a, 2b for PWB layout requiring verification during Field Representative Inspection Audits.

12. Markings - The product is marked on a labeling system as described in Section 4.0. Refer to Illustration No.5a, 5b for markings.

13. Cautionary Markings - The following are required: refer to illustration No.5, 5a for detail.

14. Installation, Operating and Safety Instructions - Specification for installation and use of this product are provided by the manufacturer. Refer to Illustration No. 6a, 6b, 6c for details.

7.0 Illustrations

Illustration 1a - Circuit diagram

For GT-41134-0606-W2-TAB

7.0 Illustrations

Illustration 1b - Circuit diagram

For GT*41134*****

7.0 Illustrations

Illustration 1c - Circuit diagram

For GT*96060*****

7.0 Illustrations

Illustration 2a - PWB layout

For GT-41134-0606-W2-TAB

7.0 Illustrations

Illustration 2b - PWB layout

For GT*41134*****

7.0 Illustrations

Illustration 2c - PWB layout

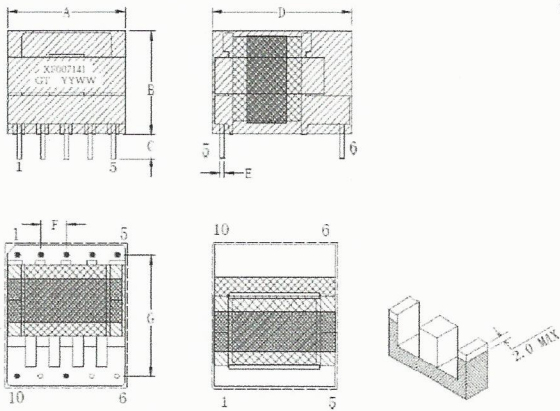
For GT*96060*****

7.0 Illustrations

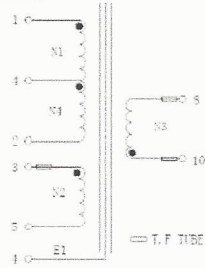
Illustration 3a - Structure of Transformer

For XF00714I and XF00716I:

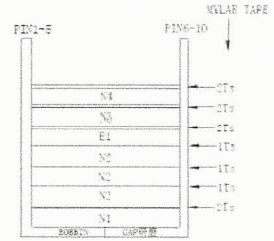
1. OUTLINE DIMENSION: (UNIT: mm)



2. SCHEMATIC:
 SCHEMATIC:

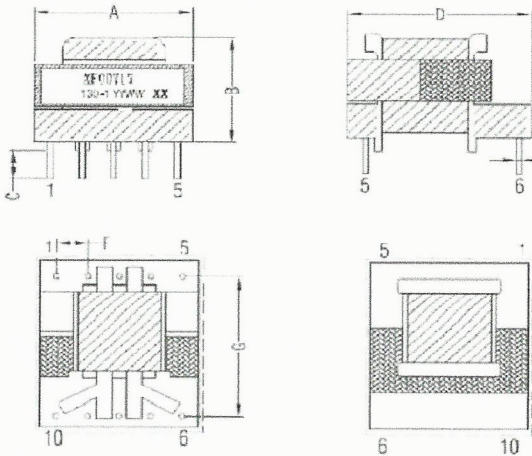


3. WINDING SEQUENCE:
 WINDING CONSTRUCTION:

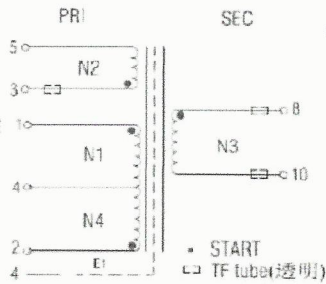


For XF00717, XF00718 and XF00719

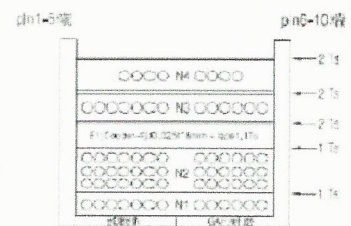
1. OUTLINE DIMENSION: (UNIT: mm)



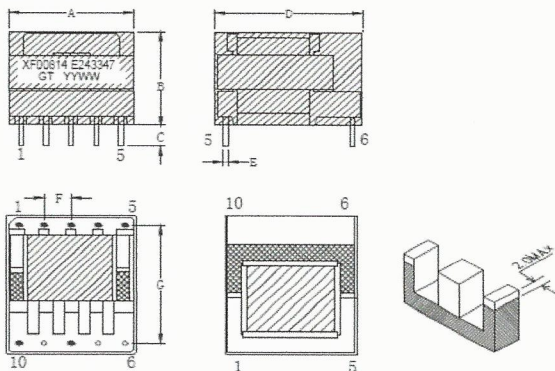
2. SCHEMATIC:



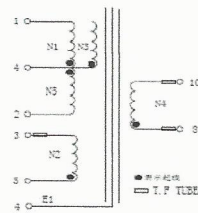
3. WINDING SEQUENCE:



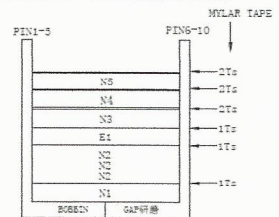
For XF00814



SCHEMATIC:



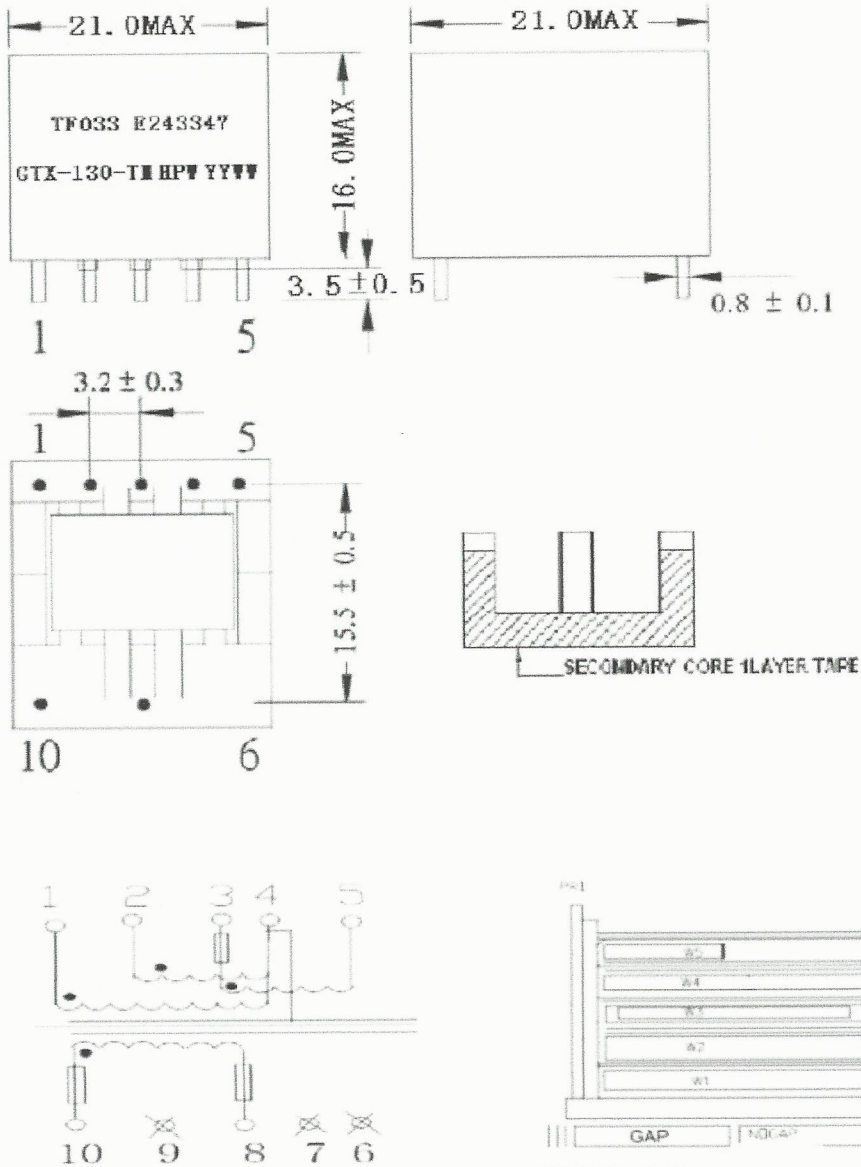
WINDING CONSTRUCTION:



7.0 Illustrations

Illustration 3b- Structure of Transformer

For TF032, TF033, TF034 and TF035:

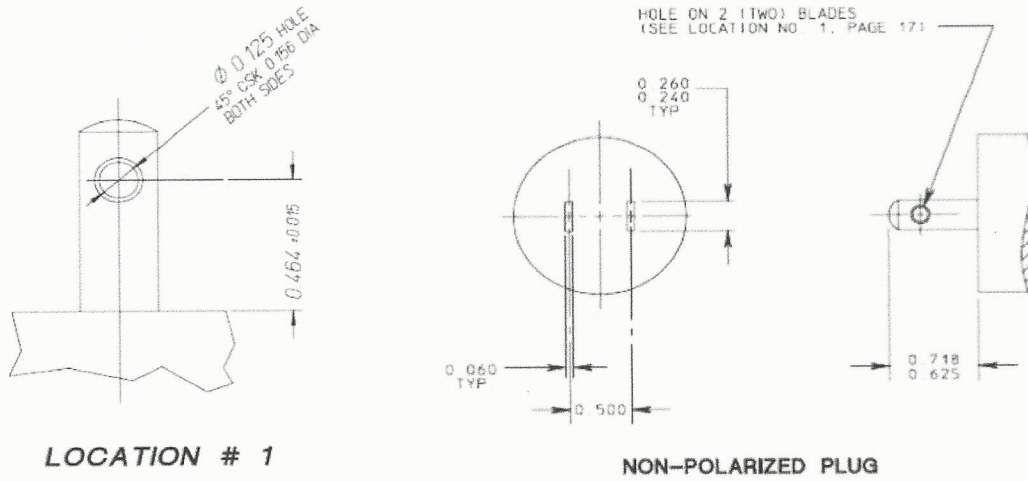


7.0 Illustrations

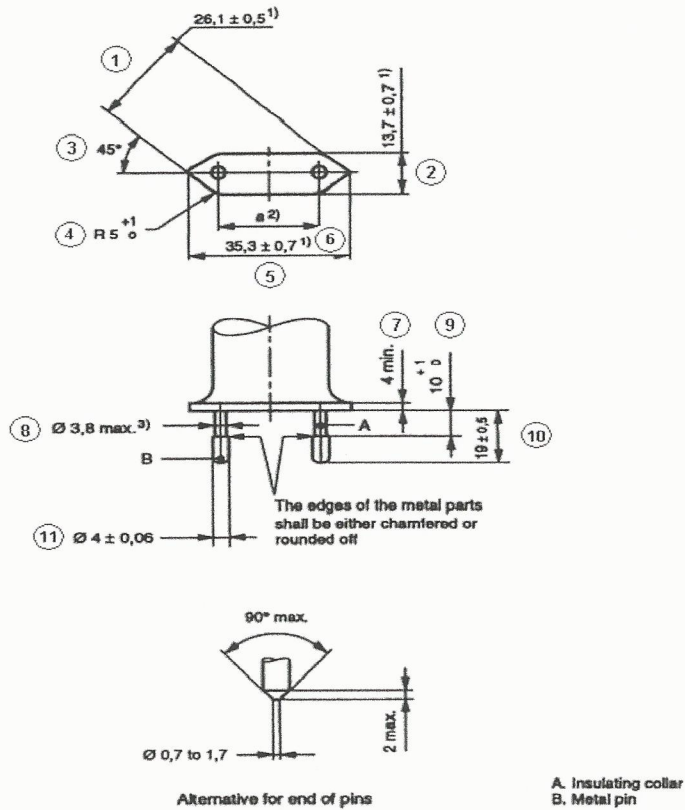
Illustration 4a - Illustrations about the plug pins

NEMA 1-15P

**FIGURE 1-15
 PLUG AND RECEPTACLE
 125 volts, 15 amperes, 2 pole, 2 wire**



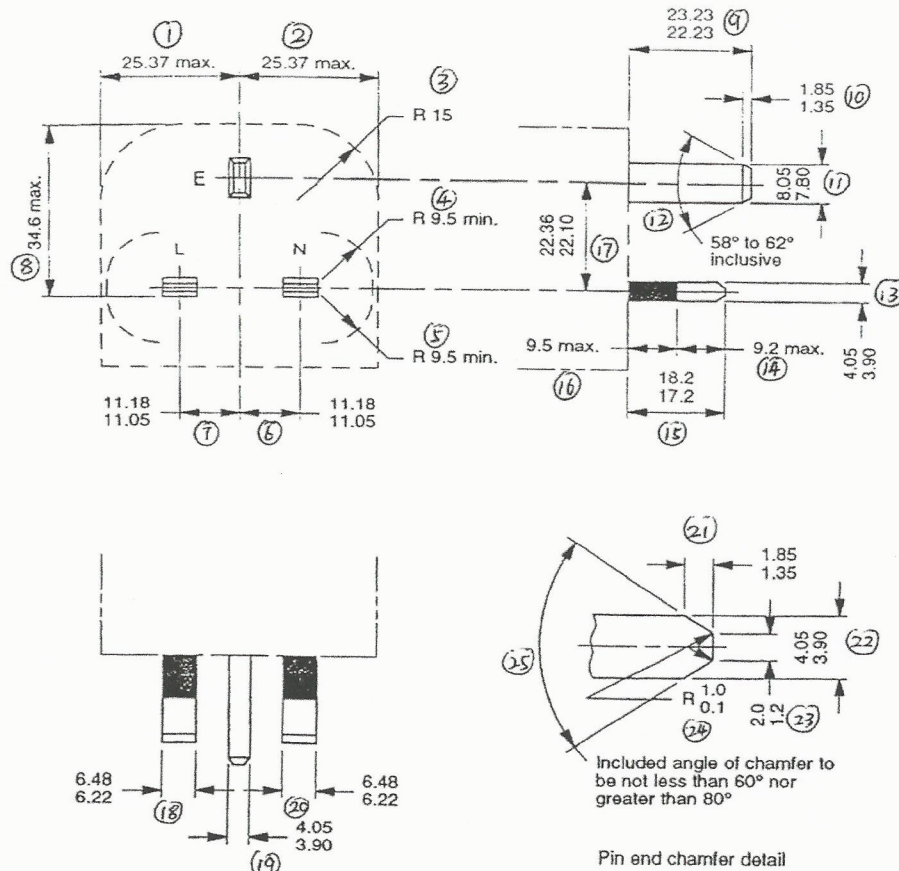
EN50075



7.0 Illustrations

Illustration 4b - Illustrations about the plug pins

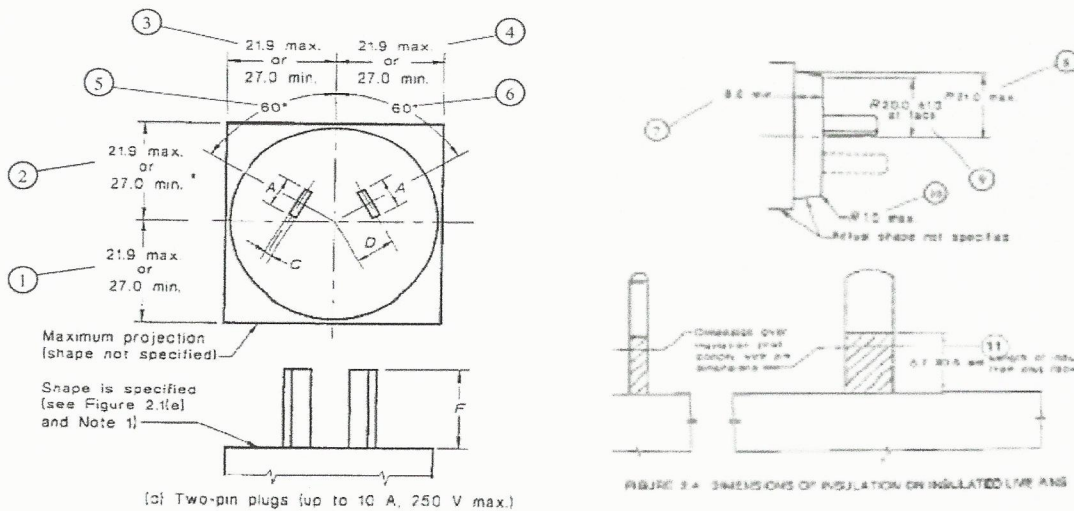
BS1363-3



All dimensions are in millimetres.

Figure 4. Dimensions and disposition of pins (see clause 12)

AS/NZS 3112

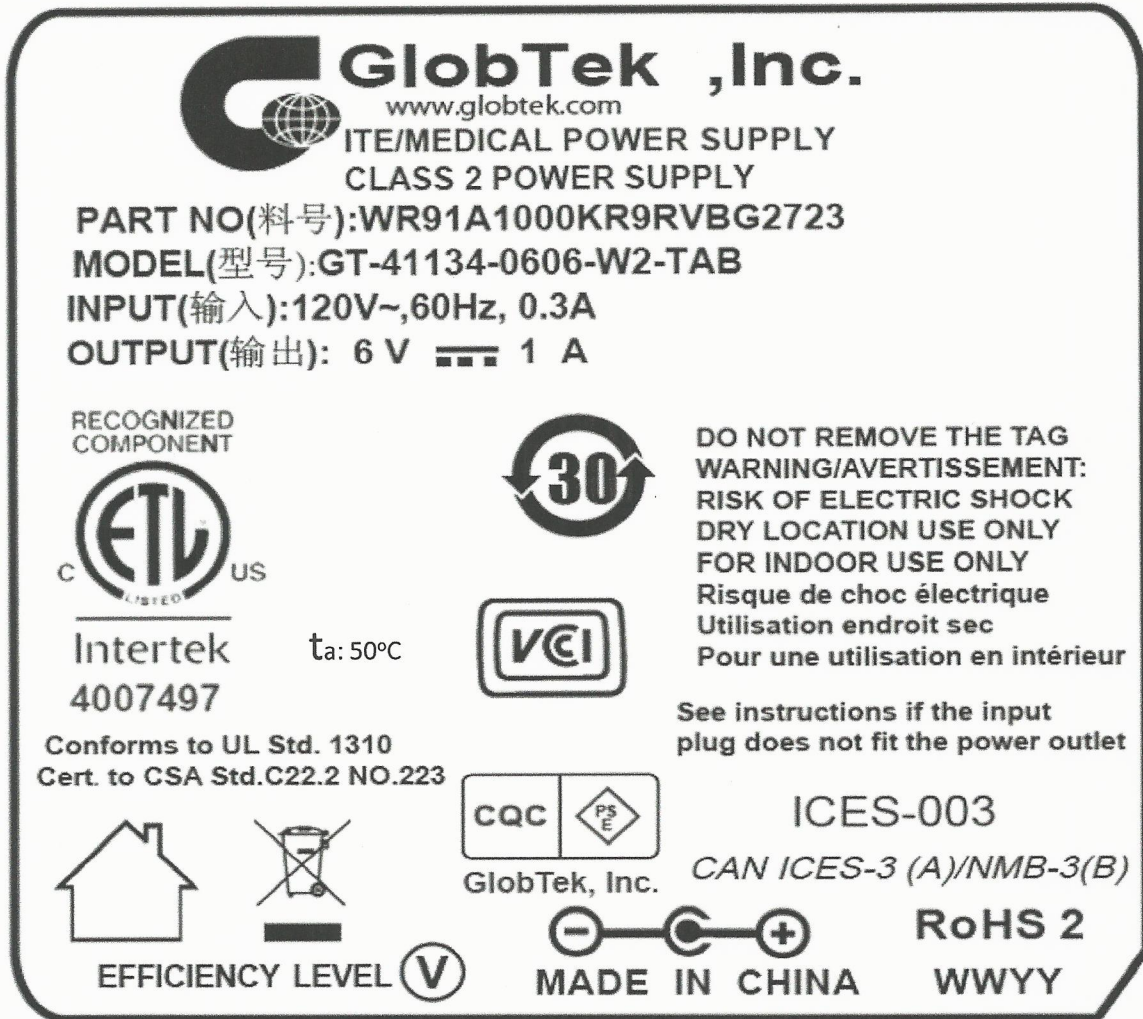


(c) Two-pin plugs (up to 10 A, 250 V max.)

7.0 Illustrations

Illustration 5a - Marking

For GT-41134-0606-W2-TAB



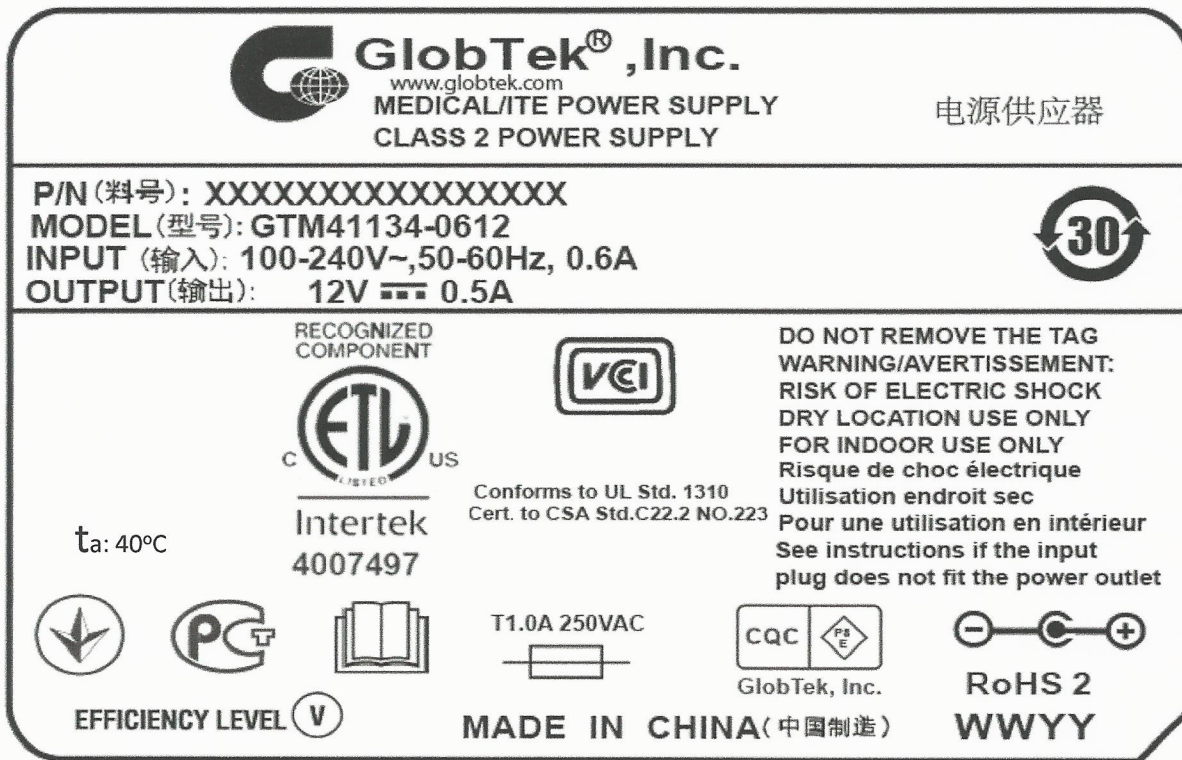
Note:

1. The height of the word "WARNING" and "Avertissement" in cautionary statements are not less than 3.2mm. The height of the remaining letters in cautionary statement are not less than 1.6mm.
2. The manufacturing date of the product is presented as WWYY, YY = manufacturing year, WW = the week of the year, e.g. 0214 = The second week of 2014.


7.0 Illustrations

Illustration 5b - Marking

For GTM41134-0612



Note:

1. The height of the word "WARNING" and "Avertissement" in cautionary statements are not less than 3.2mm. The height of the remaining letters in cautionary statement are not less than 1.6mm.
2. The manufacturing date of the product is presented as WWYY, YY = manufacturing year, WW = the week of the year, e.g. 0214 = The second week of 2014.
3. Other models are with similar label except model name and ratings.
4.  is not applicable for open frame models.

7.0 Illustrations

Illustration 6a - Instruction

Example for GTM41134-0612

Model No. GTM41134-0612	
Part No. WR9QE500L10PNMEDRVB	Rev A

POWER SUPPLY INFORMATION

TYPE: Wall Plug-in
TECHNOLOGY: Regulated Switchmode AC-DC
CASE COLOR: GlobTek Black
NAMEPLATE RATED INPUT: 100-240V~, 50-60 Hz, 0.6 A
INPUT CONFIG: Interchangeable Blades
WATTS: 6.0
VOLTS OUT: 12
CURRENT OUT (Amps): 0.5
BLADE/CORD INCLUDED: None: (Order Separately)
BLADE/CORD INSTALLED: None: (Order Separately)
EFFICIENCY LEVEL: V
OUTPUT CONFIGURATION: 3050 mm, 18/1C + Shield Cond, UL 1185, Female Barrel 5.5 * 2.5 * 11mm No internal Spring Clip nor Locking Notch or Ferrite: None, GlobTek Black, GT Cord # C0813
CONNECTOR PIN OUT: Center Positive (+V)
LABEL SPECS: Standard GT,L-1186
PACK SPEC: Standard WPI, Individually Box

NOTES / DEVIATIONS:

DIMENSIONS ARE IN MM UNLESS SPECIFIED OTHERWISE.

ELECTRICAL SPECIFICATIONS

A) ELECTRICAL SPECIFICATIONS:

01. Input Voltage: 100-240 Vac
02. Input Frequency: 47 - 63 Hz
03. Output Current: Current limited to rated output current with tolerance of +/-10%
04. Output Regulation: +/- 5% measured at the output connector
05. Line Voltage Regulation: +/- 1% typical measures at full load
06. Output Ripple (Vp-p): 1% or 150 mV whichever is greater measured at 20 MHz bandwidth with 0.1 uf ceramic capacitor in parallel with 10 uf electrolytic capacitor connected at the end of output connector at nominal line
07. Turn-On/Turn-Off Overshoot: 5% maximum, 1mS typical recovery time for 25% step load
08. Turn-On Delay: 1 second typical
09. Hold-Up Time: 8mS typical @ nominal input voltage & full load
10. Inrush Current: 30A typical @ 115Vac input ; 60A typical @ 230Vac input
11. Switching Frequency: 65 KHz typical

B) PROTECTION

1. Over-Voltage: Unit will recover upon removal of fault
2. Short Circuit: Electronically Protected, unit will recover upon removal of fault
3. Input Protection: Input line fusing

C) SAFETY

1. Dielectric Withstand Voltage: Input-Output: 5656Vdc, (2 MOPP)
2. Earth Leakage Current: N/A for Class II units, there is no PE Ground pin, so Earth Leakage current is not measured
3. Touch Current: Maximum allowed values: 100uA NC(Normal condition) 500uA SFC(single fault condition)
4. Means of Protection: 2 x MOPP
5. Primary to Secondary Bridging Capacitor: Standard configuration provided without bridging capacitors, Two (2) * Y1 type capacitors in series is available as an option upon customer request. If option employed, it is to be noted in the product deviation section of this specification document.

D) OTHER:

1. MTBF: 200,000 hours @ 25°C ambient temperature
2. Operating Temperature: 0°C to 40°C ambient temperature
3. Humidity: 0% to 90% relative humidity
4. Storage Temperature: -10°C to 80°C

E) ENCLOSURE

1. Upper Housing: High impact plastic, 94V0 polycarbonate, non-vented
2. Lower Housing: High impact plastic, 94V0 polycarbonate, non-vented
3. Size: 43.5 x 74.0 x 35.3mm +/- 1.0

7.0 Illustrations

Illustration 6b - Instruction

For GT-41134-0606-W2-TAB

Model No. GT-41134-0606-W2-TAB	
Part No. WR91A1000KR9RVBG2723	Rev D

POWER SUPPLY INFORMATION

TYPE: Wall Plug-in
TECHNOLOGY: Regulated Switchmode AC-DC
CASE COLOR: White (W057)
NAMEPLATE RATED INPUT: 120V~ / 60Hz, 0.3A
INPUT CONFIG: N. America NEMA 1-15 Fixed
WATTS: 6.0
VOLTS OUT: 6
CURRENT OUT (Amps): 1.0
BLADE/CORD INCLUDED: N/A: Not Applicable
BLADE/CORD INSTALLED: N/A: Not Applicable
EFFICIENCY LEVEL: V
OUTPUT CONFIGURATION: 3048 mm, 18/1C + Shield Cond, UL 1185, Female Barrel, Right Angle 3.5 * 1.35 * 6.5mm with internal Spring Clip and Locking Notch or Equal, Ferrite: None, White (W057), GT Cord # C0692
CONNECTOR PIN OUT: Center Positive (+V)
LABEL SPECS: Standard GT White,L-1239
PACK SPEC: Standard WPI, Individually Box

NOTES / DEVIATIONS:



- 1) Unit must be built with Nippon Chemi-Con or Rubycon electrolytic capacitors, 10K hours rated lifetime minimum.
 - 2) Unit is designed to meet UL/CUL and EMC standards. Unit is designed to meet UL60950 (2nd Edition) and UL1310 (Class 2 Power Supply). Quoted unit does not currently have any safety approvals (all pending). Units will be approved by ETL to applicable standards.
 - 3) Operating temp range 0 to 50 C
- DIMENSIONS ARE IN MM UNLESS SPECIFIED OTHERWISE.

ELECTRICAL SPECIFICATIONS

A) ELECTRICAL SPECIFICATIONS:

01. Input Voltage: Specified 115 Vac. Nameplate rated: 90-132Vac
02. Input Frequency: Specified 47-63 Hz. Nameplate rated 50-60Hz
03. Output Regulation: +/- 5% measured at the output connector
04. Line Voltage Regulation: +/- 1% typical measured at output connector
05. Output Ripple (Vp-p): +/-1% or 50 mV whichever is greater, measured at 20 MHz bandwidth with 0.1 uf ceramic capacitor in parallel with 10 uf electrolytic capacitor connected at the end of the output connector at nominal line
06. Turn-ON/OFF Overshoot: 5% maximum, 500uS maximum recovery time for 25% step load
07. Turn-ON Delay: 3000 mS maximum
08. Hold-Up Time: 8 mS minimum at nominal input and full load
09. Inrush Current: 30A maximum at cold start 115Vac, 60A cold start 230Vac
10. Switching Frequency: 66.5 KHz typical

B) PROTECTION

01. Over-Voltage: Protected, unit will auto recover upon removal of fault
02. Short Circuit: Protected, unit will auto recover upon removal of fault
03. Input Protection: Input line fusing

C) SAFETY

01. Dielectric Withstand Voltage: 4242Vdc from primary to secondary
02. Touch Current: <0.25mA at 240Vac
03. ROHS 2: Complies with EU 2011/65/EU and China SJ/T 11363-2006

D) OTHER:

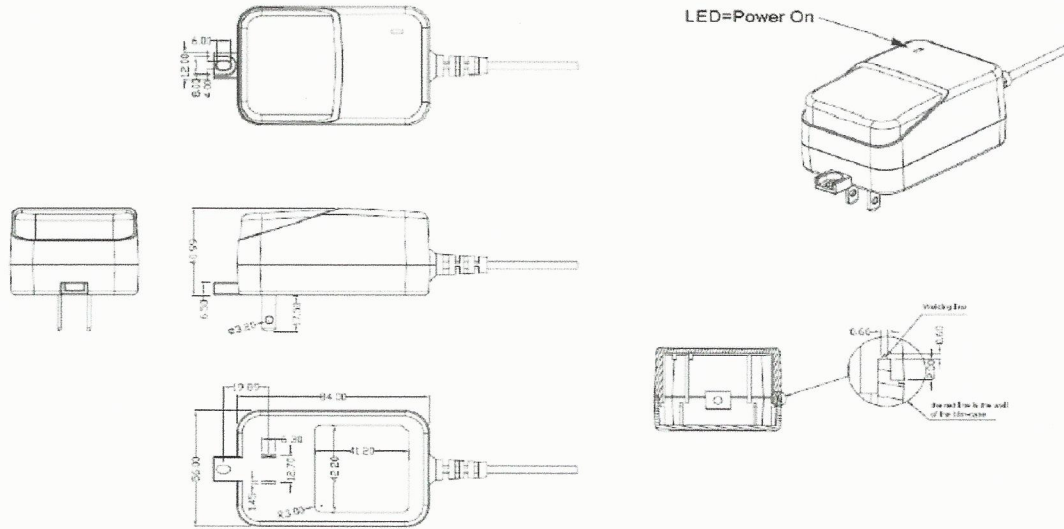
01. MTBF: 200,000 Hours @ 25°C ambient temperature
02. Operating Temperature: 0°C to 50°C ambient temperature
03. Humidity: 0% to 90% relative humidity
04. Storage Temperature: -10°C to 80°C
05. Cooling: Convection

7.0 Illustrations

Illustration 6c - Instruction

E) ENCLOSURE

- 01. Housing: High impact plastic, 94V0 polycarbonate, non-vented
- 02. Size: 84*55.5*42.5 +/-1.0 mm
- 03. Green LED indicator for "Power On".
- 04. Markings: Label and/or Pad Printed and/or Molded in the case



8.0 Test Summary			
Evaluation Period	3-September-2014 to 21-September-2014		Project No. 140900043SHA
Sample Rec. Date	3-Sep-2014	Condition Prototype	Sample ID. 0140903-31-001~006
Test Location	Intertek Testing Services Shanghai Limited		
Test Procedure	Testing Lab		
Determination of the result includes consideration of measurement uncertainty from the test equipment and methods. The product was tested as indicated below with results in conformance to the relevant test criteria.			
The following tests were performed:			
Test Description	UL 1310 Sixth Edition Dated August 26, 2011 containing Revisions through and including May 30, 2014 Clause	CSA C22.2 No.223-M91 Dated June 1991, Reaffirmed 2013 with General Instruction No. 1 Dated June 1991 and Update No. 2 Dated September 2009 Clause	UL 746C Sixth Edition Dated September 10, 2004 including Revisions through August 29, 2013 Clause
Integral plug dimension check	14.1.1	4.5.1.1	-
Maximum moment measurement	7.11	4.1.4	-
Mounting tab Test	7.15	-	-
Leakage Current Test	26	6.5	-
Leakage Current Test and Dielectric Voltage Withstand Test After Humidity Exposure	27	-	-
Maximum Output Voltage Test	28	6.2.1	-
Maximum Input Test	29	6.2.2	-
Output Current and Power Test	30	6.2.4	-
Full-Load Output Current Test	32	6.2.3	-
Normal Temperature Test	33	6.3	-
Dielectric Voltage-Withstand Test	34	6.4	-
Abnormal Tests	39	6.7	-
Tests on Insulating Materials	40	-	-
Direct Plug-In Blade Secureness Test	43	-	-
Direct Plug-In Security of Input Contacts Test	44.1	-	-
Abuse Tests	46	-	-
Secondary Circuit Protection	-	6.6	-
Drop and Impact	-	6.9	-
Blade retention	-	6.10	-
Securement of components	-	6.12	-
Insulating Material	-	6.13	-
Mold-Stress Relief Distortion	-	-	29
Strain-Relief Test after Mold Stress-Relief Distortion	-	-	31

Evaluation Period	21-Oct-2015 to 15-Jan-2016		Project No. 151000553SHA
Sample Rec. Date	21-Oct-2015	Condition Prototype	Sample ID. 0151021-56-001~009
Test Location	Intertek Testing Services Shanghai Limited		
Test Procedure	Testing Lab		
Determination of the result includes consideration of measurement uncertainty from the test equipment and methods. The product was tested as indicated below with results in conformance to the relevant test criteria.			
Some tests have been evaluated in 140900043SHA-001 and some critical tests performed again in below updated standard:			

8.0 Test Summary			
Test Description	UL 1310 Sixth Edition Dated August 26, 2011 containing Revisions through and including December 12, 2014 Clause	UL 746C Sixth Edition Dated September 10, 2004 including Revisions through June 23, 2015 Clause	
Leakage Current Test	26	6.5	-
Leakage Current Test and Dielectric Voltage Withstand Test After Humidity Exposure	27	-	-
Maximum Output Voltage Test	28	6.2.1	-
Maximum Input Test	29	6.2.2	-
Output Current and Power Test	30	6.2.4	-
Full-Load Output Current Test	32	6.2.3	-
Normal Temperature Test	33	6.3	-
Dielectric Voltage-Withstand Test	34	6.4	-
Abnormal Tests	39	6.7	-
Abuse Tests	46	-	-
Secondary Circuit Protection	-	6.6	-

8.1 Signatures

A representative sample of the product covered by this report has been evaluated and found to comply with the applicable requirements of the standards indicated in Section 1.0.

Completed by:	Albert Zhou	Reviewed by:	Will Wang
Title:	Engineer	Title:	Supervisor
Signature:	<i>Albert Zhou</i>	Signature:	<i>Will Wang</i>

9.0 Correlation Page For Multiple Listings

The following products, which are identical to those identified in this report except for model number and Listee name, are authorized to bear the ETL label under provisions of the Intertek Multiple Listing Program.

BASIC LISTEE	GlobTek, Inc.
Address	186 Veterans Dr. Northvale, NJ 07647 USA
Country	USA
Product	Class 2 Power Supply

MULTIPLE LISTEE 1	None
Address	
Country	
Brand Name	

ASSOCIATED MANUFACTURER	
Address	
Country	

MULTIPLE LISTEE 1 MODELS	BASIC LISTEE MODELS

MULTIPLE LISTEE 2	None
Address	
Country	
Brand Name	

ASSOCIATED MANUFACTURER	
Address	
Country	

MULTIPLE LISTEE 2 MODELS	BASIC LISTEE MODELS

MULTIPLE LISTEE 3	None
Address	
Country	
Brand Name	

ASSOCIATED MANUFACTURER	
Address	
Country	

MULTIPLE LISTEE 3 MODELS	BASIC LISTEE MODELS

10.0 General Information

The Applicant and Manufacturer have agreed to produce, test and label ETL Listed products in accordance with the requirements of this Report. The Manufacturer has also agreed to notify Intertek and to request authorization prior to using alternate parts, components or materials.

COMPONENTS

Components used shall be those itemized in this Intertek report covering the product, including any amendments and/or revisions.

LISTING MARK

The ETL Listing mark applied to the products shall either be separable in form, such as labels purchased from Intertek, or on a product nameplate or other media only as specifically authorized by Intertek. Use of the mark is subject to the control of Intertek.

The mark must include the following four items:

- 1) applicable country identifiers "US" and/or "C" or "US", "C" and "EU"
- 2) the word "Listed" or "Classified" or "Recognized Component" (whichever is appropriate)
- 3) a control number issue by Intertek
- 4) a product descriptor that identifies the standards used for certification. Example:

For US standards, the words, "Conforms to" shall appear with the standard number along with the word, "Standard" or "Std." Example: "Conforms to ANSI/UL Std. XX."

For Canadian standards, the words "Certified to CAN/CSA Standard CXX No. XX." shall be used, or abbreviated, "Cert. to CAN/CSA Std. CXX No. XX."

Can be used together when both standards are used.

Note: A facsimile must be submitted to Intertek, Attn: Follow-up Services for approval prior to use.

The facsimile need not have a control number. A control number will be issued **after signed Certification Agreements** have been received by the Follow-up Services office, approval of the facsimile of your proposed Listing Mark, satisfactory completion of the Listing Report, and scheduling of a factory assessment in your facility.

MANUFACTURING AND PRODUCTION TESTS

Manufacturing and Production Tests shall be performed as required in this Report.

FOLLOW-UP SERVICE

Periodic unannounced audits of the manufacturing facility (and any locations authorized to apply the mark) shall be scheduled by Intertek. An audit report shall be issued after each visit. Special attention will be given to the following:

1. Conformance of the manufactured product to the descriptions in this Report.
2. Conformance of the use of the ETL mark with the requirements of this Report and the Certification Agreement.
3. Manufacturing changes.
4. Performance of specified Manufacturing and Production Tests.

In the event that the Intertek representative identifies non-conformance(s) to any provision of this Report, the Applicant shall take one or more of the following actions:

1. Correct the non-conformance.
2. Remove the ETL Mark from non-conforming product.
3. Contact the issuing product safety evaluation center for instructions.

10.1 Evaluation of Unlisted Components

Because Unlisted Components are uncontrolled, and they do not fall under a third party follow up program, Intertek may require these components to be tested and/or evaluated at least once annually, more often for certain components, as part of the independent certification process. The Unlisted Components in Section 5.0 require testing and/or evaluation as indicated.

Note to Intertek Follow Up Inspector: The Component Evaluation Center, CEC, will notify you in writing when these components must be selected and sent to the CEC for re-evaluation

Ship the samples to:
Intertek Testing Services Shanghai Limited
ETL Component Evaluation Center
Building No. 86, 1198 Qinzhou Road (North)
Shanghai 200233, China
Attn: Ms. Dansy Xu

Sample Disposition: Due to the destructive nature of the testing, all samples will be discarded at the conclusion of testing unless, the manufacturer specifically requests the return of the samples. The request for return must accompany the initial component shipment.

11.0 Manufacturing and Production Tests

The manufacturer agrees to conduct the following Manufacturing and Production Tests as specified:

Required Tests

Dielectric Voltage Withstand Test

11.1 Dielectric Voltage Withstand Test

Method

One hundred percent of production of the products covered by this Report shall be subjected to a routine production line dielectric withstand test.

The test shall be conducted on products, which are fully assembled. Prior to applying the test potential, all switches, contactors, relays, etc., should be closed so that all primary circuits are energized by the test potential. If all primary circuits cannot be tested at one time, then separate applications of the test potential shall be made.

The test voltage specified below shall be applied between input and output circuits. The test voltage may be gradually increased to the specified value but must be maintained at the specified value for one second or one minute as required.

Test Equipment

The test equipment shall incorporate a transformer with an essentially sinusoidal output, a means to indicate the applied test potential, and an audible and/or visual indicator of dielectric breakdown.

The test equipment shall incorporate a voltmeter in the output circuit to indicate directly the applied test potential if the rated output of the test equipment is less than 500VA.


If the rated output of the test equipment is 500VA or more, the applied test potential may be indicated by either:

- 1 - a voltmeter in the primary circuit;
- 2 - a selector switch marked to indicate the test potential; or
- 3 - a marking in a readily visible location to indicate the test potential for test equipment having a single test potential output.

In cases 2 and 3, the test equipment shall include a lamp or other visual means to indicate that the test potential is present at the test equipment output. All test equipment shall be maintained in current calibration.

Products Requiring Dielectric Voltage Withstand Test:

<u>Product</u>	<u>Test Voltage</u>	<u>Test Time</u>
All products covered by this Report.	1000V	60 s
	or	
	1200V	1 s

12.0 Revision Summary				
The following changes are in compliance with the declaration of Section 8.1:				
Date/ Proj # Site ID	Project Handler/ Reviewer	Section	Item	Description of Change
8-Oct-2014	Will Wang	7	2	Modified PCB layout of Illustration 2 for model GT-41134-0606-W2-TAB.
140900043SHA	Eric Shao	4	6	Corrected fuse rating from 6A to 6.3A for model GT-41134-0606-W2-TAB.
15-Jan-2016	Albert Zhou <i>Albert Zhou</i>	1, 5	Std	Updated standard version of UL 1310 from "UL 1310 Sixth Edition Dated August 26, 2011 containing Revisions through and including May 30, 2014" to "UL 1310 Sixth Edition Dated August 26, 2011 containing Revisions through and including December 12, 2014."
151000553SHA	Will Wang <i>Will Wang</i>	2	-	Replaced the old trade mark "GlobTek" with "  "; Replaced the old naming model series GT*41134-***-*** with a new naming model series GT*41134*****; Added new product model series: GT*96060*****; Updated the explanation Model Similarity of model series; Added alternative input current 0.3A based on client's requirement; ta:50°C was suitable for all models.
		3	7, 8	Added new photos for new added structure type which used in model series GT*41134***** and GT*96060*****.
		4	1	Added new models "945" and "940" of enclosure manufactured by "SABIC INNOVATIVE PLASTICS B V"
		4	12	Updated the manufacturer of transformer from "WUXI ZHONGTONG ELECTRONICS CO LTD" to "WUXI HAOPUWEI ELECTRONICS CO., LTD". Added new models of transformer.
		7	1c, 2c, 3c	Added new circuit diagram and PWB layout. Added structure of transformer for new added models of transformer.
		8	Std	Updated standard version of UL 1310 from "UL 1310 Sixth Edition Dated August 26, 2011 containing Revisions through and including May 30, 2014" to "UL 1310 Sixth Edition Dated August 26, 2011 containing Revisions through and including December 12, 2014." Updated standard version of UL 746C from "UL 746C Sixth Edition Dated September 10, 2004 including Revisions through August 29, 2013" to "UL 746C Sixth Edition Dated September 10, 2004 including Revisions through June 23, 2015."
		8	-	Added new test block in section 8
		8.1	-	Revised with new signatures