

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China







Drawing Title: GT-86060-0612-W2U, ITE Power Supply, Efficiency Level: VI, Case Color/Style: GlobTek Black, Wall Plug-in, Regulated Switchmode AC-DC Power Supply AC Adaptor, Input Rating: 100-240V~, 50-60Hz, British Fixed, Output Rating: 6W, 12V@0.5A, Output Configuration: 1500 mm, 24/2 Cond, UL 2468, Female Barrel 5.5 * 2.5 * 11mm with internal Spring Clip and Locking Notch or Equal, Ferrite: None, GlobTek Black, GT Cord # C16325, Pin Out: Center Positive (+V), Blades/Input Cord: Fixed Blades UK, Approvals: EAC CE China RoHS Level VI RoHS SGS Ukraine VCCI WEEE cUL Double Insulation

Model No. GT-86060-0612-W2U

Part No./Ordering No. WR95E500LCP-F(R6B)

Rev B

REVISION HISTORY

REV	DESCRIPTION	SUB	DATE	APPROVED
В	Update approval Update packaging Update wire gauge from 20AWG to 24AWG	rchiu	11/02/2017	QA
Α	Initial Release	jwarn	05/02/2017	QA

In Addition to GlobTek Inc.'s renewed ISO9001:2008 - Quality Management System Certification, GlobTek Inc. is now certified to:

ISO13485:2003 - Medical Devices Quality Management System Certification

ISO14001:2004 - Environmental Management System Certification

ISO Certificates are available online at http://www.globtek.com/iso-certificates/

Customer Approval of Specification:

Please approve, sign and send back to GlobTek so we can complete order processing.

A delay in receipt of this form will delay delivery schedule.

Company Name:

Customer P/N:

Quote Number:

Date:

Authorized Representative Name:

Authorized Representative Signature:

The acceptance of this specification and use of the product described in this document indicates the acceptance and binding of the customer to Globtek terms and conditions, which supersede all other agreements, terms, and conditions (http://en.globtek.com/terms-and-conditions/).

Footnote:

GlobTek Inc. will not be liable for the safety and performance of these power supplies if unauthorized access and repair occurs. End user should consult applicable UL, CSA or EN standards for proper installation instruction.

Limitation of Use:

GlobTek product are not authorized for use as mission critical components in life support hazardous environment, nuclear or aircraft applications without prior written approval from the CEO of GlobTek Inc.

Contents of this document are subject to change without prior notice.

GT-86060-0612-W2U, 6W, 12V@0.5A, Wall Plug-in, Regulated Switchmode AC-DC Power Supply AC Adaptor

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Rev B

POWER SUPPLY INFORMATION

TYPE: Wall Plug-in

TECHNOLOGY: Regulated Switchmode AC-DC Power Supply AC Adaptor

CASE COLOR: GlobTek Black

NAMEPLATE RATED

100-240V~, 50-60Hz, 0.2A INPUT:

INPUT CONFIG: **British Fixed**

WATTS: 6.0 VOLTS OUT: 12 0.5 CURRENT OUT (Amps): BLADE/CORD INCLUDED: FBUK2: BLADE/CORD INSTALLED: FBUK2:

GROUNDING

(F1) Class II / Double Insulated CONFIGURATION

EFFICIENCY LEVEL:

OUTPUT 1500 mm, 24/2 Cond, UL 2468, Female Barrel 5.5 * 2.5 * 11mm with internal Spring Clip and Locking Notch or Equal,

Ferrite: None, GlobTek Black, GT Cord # C16325 CONFIGURATION

CONNECTOR PIN OUT: Center Positive (+V) LABEL SPECS: Standard GT,L-1186

PACK SPEC: Standard WPI, Individually Box

Notes/Modifications/Customizations (notes in this section supersede the values shown in the standard spec):

DIMENSIONS ARE IN MM UNLESS SPECIFIED OTHERWISE.

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Rev B

ELECTRICAL SPECIFICATIONS

A) ELECTRICAL SPECIFICATIONS:

- 01. Input Voltage: Specified 90-264 Vac, Nameplate rated: 100-240 Vac
- 02. Input Frequency: Specified 47-63 Hz, Nameplate rated 50-60Hz
- 03. Output Regulation: +/- 5%
- 04. Ripple and Noise (Vp-p): 300 mVp-p maximum, At 20 MHz, and output parallel with 0.1uF & 47uF capacitors to ground. Temperature at
- 25 °C, and nominal input voltage
- 05. Efficiency: Compliant with Efficiency Level VI and CoC Tier 2 standards
- 07. No Load Standby Power: <0.075W @ 230Vac
- 08. Turn-ON Delay: 3 Seconds maximum at nominal input voltage
- 09. Rise Time: 100mS maximum at nominal input voltage

B) PROTECTION

- 01. Over-Voltage
- 02. Over current protection
- 03. Short Circuit: Short circuit protection is to be included in the construction of the adaptor. The adaptor is designed to withstand continuous current of a short circuit on the output. The adaptor will be short circuit tolerant for an indefinite period.

C) SAFETY

- 01. Dielectric Withstand Voltage: Primary To Secondary: 3000VAC 10mA 1minute or 4242VDC 10mA 1minute
- 02. Leakage current: 0.25mA maximum

- 01. MTBF: 200,000 Hours @ 25°C ambient temperature
- 02. Operating Temperature: 0°C to 40°C ambient temperature
- 03. Humidity: 0% to 90% relative humidity
- 04. Storage Temperature: -20°C to 60°C
- 05. Cooling: natural convection cooling
- 06. ROHS 2: Complies with EU 2011/65/EU and China SJ/T 11363-2006

E) ENCLOSURE

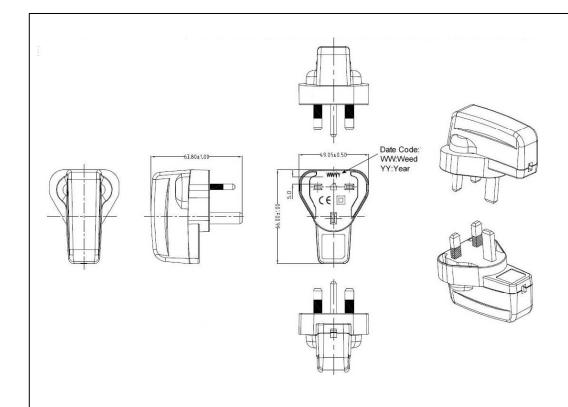
- 01. Housing: High impact plastic, 94V0 polycarbonate, non-vented
- 02. Markings: Label and/or Pad Printed and/or Molded in the case

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Rev B



DERATING CURVE

Typical External **Power Supply Derating Curve** (For Efficiency Level V and Efficiency Level VI Products) 100% 80% Output Power Level Typical Stated 50% Spec Sheet 40% Temp. Range 20% -20 -10 10 30 70 Ambient Temperature Celsius

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Rev B

INPUT CONFIGURATION

Grounding Configuration: Blades/Cord Included: FBUK2:

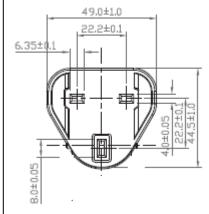
Blades/Cord Installed: FBUK2:

UK BS 1363, 2 Blade w/Dummy Ground Class II

The line and neutral pins have a rectangular cross section 6.35 mm by 4.0 mm, 17.7 mm long and with centres 22.2 mm apart. The protective-earth pin is a rectangular cross section 8.0 mm by 4.0 mm, 22.3 mm long and with a centre line 22.2 mm from the line/neutral pin centre line. The dimensions were originally specified in decimal inches with asymmetric tolerances and redefined as minimum and maximum metric dimensions in BS 1363:1984.

Dimensions are chosen to provide safe clearance to live parts. The distance from any part of the line and neutral pins to the periphery of the plug base must be not less than 9.5 mm. This ensures that nothing can be inserted alongside a pin when the plug is in use, and helps keep fingers away from the pins. The minimum insertion distance from the face of the socket-outlet to the first point of contact with a live part is 9.6 mm.

The "Dummy" longer earth pin ensures that the earth path is connected before the live pins, and remains connected after the live pins are removed. The earth pin is too large to be inserted into the line or neutral sockets by mistake.



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Part No./Ordering No. WR95E500LCP-F(R6B)

Rev B

OUTPUT CORD AND CONNECTOR: LCL/C16325

ACTUAL CONNECTORS, OVERMOLDS, FERRITES MAY VARY SLIGHTLY FROM THE PICTURE BELOW

CABLE TYPE UL 2468 CABLE LENGTH (mm) 1500 CABLE TOLERANCE (mm) +150-0 WIRE GAUGE (AWG) 24 **CONDUCTORS** 2

HANK DIMENSION (mm) 60 +10, -10 CABLE / CONNECTOR OVERMOLD COLOR GlobTek Black

FERRITE TYPE / DIMENSION None FERRITE # OF TURNS (Definition) N/A FERRITE DIMENSION FROM STRAIN RELIEF N/A FERRITE DIMENSION FROM PLUG

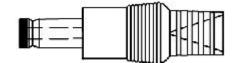
PLUG TYPE Female Barrel 5.5 * 2.5 * 11mm with internal Spring Clip and Locking Notch or Equal

OVER MOLD ORIENTATION Straight

CONNECTOR PIN OUT: Center Positive (+V)

ADDITIONAL REQUIREMENTS





ADDITIONAL OUTPUT PLUG OPTIONS ARE AVAILABLE AT http://www.globtek.com/connectors/ STANDARD PLUGS AND CONNECTORS CAN BE SEEN ONLINE AT http://www.globtek.com/connectors/

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Model No. GT-86060-0612-W2U

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LABEL:L-1186

LABEL P/N: Standard GT

MATERIAL: Flat Thermal Transfer, Imprintable, Polyester Label and/or Pad Printed and/or Molded, and/or Laser Engraved in the case

BACKGROUND

COLOR:

Black if housing is Black, White or Silver if housing is White or Gray.

TEXT COLOR:

White or Silver if label is Black Background for Black housing. Black if label is White or Silver background and Housing is

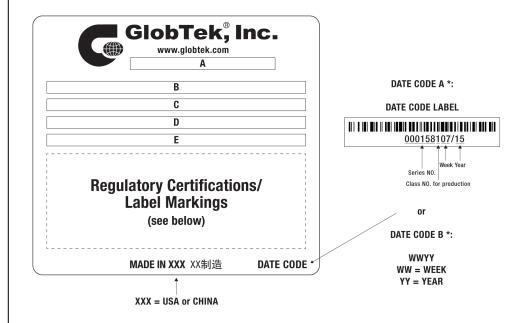
White or Gray

LABEL WIDTH (mm): LABEL HEIGHT (mm): 16.2

Below is the minimum information which will appear on the label. NOTE: in the logo area additional/actual positioning of symbols and text is subjected to change as per agency updates/requirements or additional model approvals become available.

Regulatory certifications/label markings may be in logo area on the label or molded into the case housing outside the label area.

Information will be shown via label and/or pad printed and/or molded and/or laser engraved in the case. * Date code markings at GlobTek option.



A=ITE Power Supply

B=P/N: (料号) WR95E500LCP-F(R6B) C=Model (型号) GT-86060-0612-W2U D=Input (输入) 100-240V~, 50-60Hz, 0.2A E=Output (输出)12 V === 0.5 A ,6.0W

http://www.globtek.info/certs/GT-86060-WWVV-W2Z/ AGENCY ONLINE DOCUMENTS

CE EC-Declaration for Medical Contact GlobTek for more information

CE EC-Declaration for Industrial/Commercial/ITE http://www.globtek.com/pdf/ec_declaration/a0Oa000000FiRiOEAV

RoHS/RoHS2 Declaration http://www.globtek.com/pdf/rohs_cert/01ta0000007dRleAAM

REACH Declaration http://www.globtek.com/pdf/iso_certificates/REACH.pdf

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Rev B

Conflict Minerals Declaration

http://www.globtek.com/pdf/conflict-minerals.pdf

IPXY rating is based on 3rd party testing and customers should check suitability and test system level IPXY rating before ordering.

Regulatory Certifications/Label Markings

LATEST PRODUCT/MODEL CERTIFICATIONS: http://en.globtek.com/datasheet/id/a0Oa000000FiRiO http://www.globtek.info/certs/GT-86060-WWVV-W2Z/ AGENCY ONLINE DOCUMENTS:



Center Positive (+V)

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PACKAGING

Standard WPI, Individually Packing Spec P/N:

Box

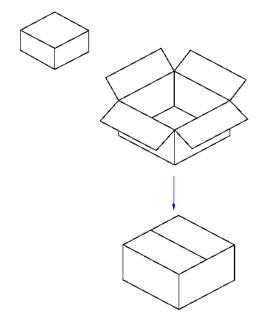
120 Box Qty:

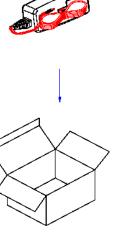
Gift Box Size (mm): 85*51*75 Gift Box Color: White

Master Carton Size (mm): 445*326*308

Master GW (Kg): 15.6 kg **BLADES INCLUDED:** FBUK2: BLADE/CORD INSTALLED: FBUK2:

If specific packaging is required, this section must specify all requirements and note "no exceptions". If this section does not specify packaging, it is subject to change without notice at GlobTek's discretion





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INSTRUCTION SHEET					
N/A					
DODDIET ADVINCODATION					