

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

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

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







Drawing Title: GT-46200-1806-0.05-T2, ITE Power Supply, Efficiency Level: VI, Case Color/Style: GlobTek Black, Desktop/External, Regulated Switchmode AC-DC Power Supply AC Adaptor, Input Rating: 100-240V~, 50-60 Hz, IEC 60320/C8, Output Rating: 18W, 5.95V@3A, Output Configuration: 1200 mm, 16/2 Cond, UL 2468, Female Barrel 5.5 \* 2.5 \* 11mm with internal Spring Clip and Locking Notch or Equal, Ferrite: Core Size: 14.2\*28.5\*8.2, GlobTek Black, GT Cord # C1154, Pin Out: Center Positive (+V), Blades/Input Cord: Not Applicable, Approvals: EAC VCCI CCC PSE CE 230V CoC Tier 2 CE China RoHS IP40 Level VI LPS PSE RoHS Ukraine WEEE Double Insulation cUL RCM

Model No. GT-46200-1806-0.05-T2

Part No./Ordering No. TR9KB3000LCP-N(R6B)

Rev E1

# REVISION HISTORY

REV	DESCRIPTION	SUB	DATE	APPROVED
E1	Revised packaging: change from egg crate to gift box.	rchiu	10/31/2017	QA
E	Update output cable Update packaging Update approvals	rchiu	09/22/2017	QA
D	Change model to GT-46200-1806-0.05-T2 and change CQC PSE to TUV PSE	QA	08/06/2015	QA
С	Update O/P cord from 18AWG/1830 mm to 18AWG/1530 mm	QA	06/01/2015	QA
В	Change approval: ground to double box	QA	05/22/2015	QA
Α	Initial release	QA	05/13/2015	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-46200-1806-0.05-T2, 18W, 5.95V@3A, Desktop/External, Regulated Switchmode AC-DC Power Supply AC Adaptor

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Model No. GT-46200-1806-0.05-T2

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Rev E1

#### POWER SUPPLY INFORMATION

TYPE: Desktop/External

TECHNOLOGY: Regulated Switchmode AC-DC Power Supply AC Adaptor

CASE COLOR: GlobTek Black

NAMEPLATE RATED

100-240V~, 50-60 Hz, 0.5 A INPUT:

INPUT CONFIG: IEC 60320/C8

WATTS: 18.0 VOLTS OUT: 5.95 CURRENT OUT (Amps): 3 BLADE/CORD INCLUDED: N/A: BLADE/CORD INSTALLED: N/A:

**GROUNDING** 

(F1) Class II / Double Insulated CONFIGURATION

EFFICIENCY LEVEL:

**OUTPUT** 1200 mm, 16/2 Cond, UL 2468, Female Barrel 5.5 \* 2.5 \* 11mm with internal Spring Clip and Locking Notch or Equal,

Ferrite: Core Size: 14.2\*28.5\*8.2, GlobTek Black, GT Cord # C1154 CONFIGURATION

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

PACK SPEC: Standard DT, 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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Model No. GT-46200-1806-0.05-T2

Part No./Ordering No. TR9KB3000LCP-N(R6B)

Rev E1

#### **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. Inrush Current: 50A Max. at 115VAC cold start, 100A Max. at 230VAC cold start
- 04. Average Efficiency: 83.08% Min (CEC & DOE LEVEL VI Compliant), 83.68% Min (ErP Tier2 Compliant)
- 05. Input power(no load): <0.1W (CEC & DOE LEVEL VI Compliant), <0.075W (ErP Tier2 Compliant)
- 07. Output Voltage toterance: ±5%
- 08. Load regulation: ±5%
- 09. Output Voltage: Tolerance ± 5%
- 10. Turn On Delay: 3000 mS MAX at 115 VAC Full Load
- 11. Hold Up Time: 10 mS Min at 100 VAC Full Load
- 12. Ripple Voltage: 150mV (p-p): Input :(100V-240VAC ), Output:full load

Measuring is done by 20MHz bandwidth oscilloscope and terminated each output with a 10uF aluminum electrolytic capacitor and 0.1uF ceramic capacitor.

## B) PROTECTION

- 01. Over voltage protection: protection zener
- 02. Short circuit protection: Output shut down and auto-recover
- 03. Over Load Protection: Output shut down and auto restart

#### C) SAFETY

- 01. HI-POT: Input to output: 3000VAC or 4242VDC 10mA 1 minute
- 02. Touch Current: <0.25mA @ 240Vac input voltage
- 03. Insulation resistance: Input to output: 500vdc to test the input to output resistance not be less 100M ohm

### D) OTHER:

- 01. MTBF: 200,000 Hours @ 25°C ambient temperature
- 02. Operating Temperature: 0°C to 40°C ambient temperature
- 03. Humidity Operating: 20% to 80%. 0% to 90% relative humidity
- 04. Storage Temperature: -10°C to 70°C
- Humidity Storage: 10% to 90%
- 05. RoHS 2: Complies with EU 2011/65/EU and China SJ/T 11364-2014

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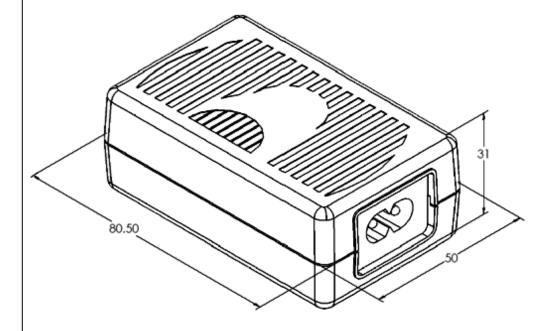
Rev E1

## E) ENCLOSURE

01. Housing: High impact plastic, 94V0 polycarbonate, non-vented

02. Size: 80.0 x 50.0 x 31.0 +/-1.0 mm

04. Markings: Label and/or Pad Printed and/or Molded in the case



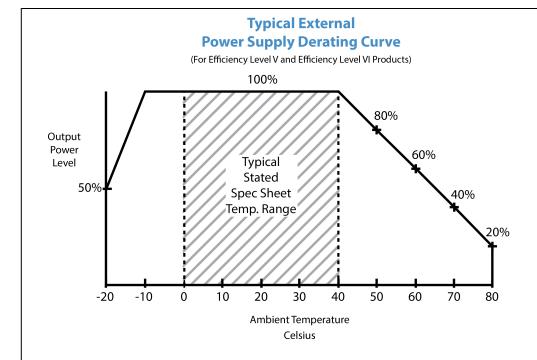
**DERATING CURVE** 

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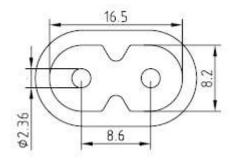
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## INPUT CONFIGURATION

Grounding Configuration: Blades/Cord Included: N/A:

Blades/Cord Installed: N/A:

IEC 60320/C8 AC Inlet connector, Class II, Non-Earth Ground (aka "Figure-8")



# Mates with IEC 60320/C7 Plug

## Standard International IEC 320/C7 Cordsets

Below are standard cordsets which are "not included" (unless stated above); these may be purchased separately or packaged with the power supply. Please contact your Sales Engineer if the style required is not shown below. Many more available in different lengths, colors or cable material.

# Conductors (No Ground) IEC 320/C7 (Figure "8")

Part No	Country	End A	End B	Length
4511116F703A(R)	N. American	NEMA 1-15P	IEC 320/C7	1830
5014112M703A(R)	Australian	AS 3112	IEC 320/C7	2000
4533501M8703(R)	China	GB 2099.1	IEC 320/C7	1830
204B4222M703(R)	Brazil	Brazil NBR 6147	IEC 320/C7	2000
2074112M703A(R)	European	CEE 7/16	IEC 320/C7	2000
451J3401M8703(R)	Japan	JIS 8303	IEC 320/C7	1830
2044112M703A(R)	Korea	KS C 8305	IEC 320/C7	2000
4033401M8703A(R)	Taiwan	CNS 10917	IEC 320/C7	1800
6104112M703A(R)	UK	BS1363	IEC 320/C7	2000

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**OUTPUT CORD AND CONNECTOR:** LCL/C1154

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

CABLE TYPE UL 2468 CABLE LENGTH (mm) 1200 CABLE TOLERANCE (mm) +150-0 WIRE GAUGE (AWG) 16 **CONDUCTORS** 2

80mm ±10 HANK DIMENSION (mm) CABLE / CONNECTOR OVERMOLD COLOR GlobTek Black

FERRITE TYPE / DIMENSION Core Size: 14.2\*28.5\*8.2 FERRITE # OF TURNS (Definition) 2 Pass thru core (1 turns)

FERRITE DIMENSION FROM STRAIN RELIEF 50mm±10

FERRITE DIMENSION FROM PLUG

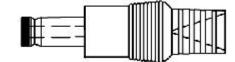
**PLUG TYPE** Female Barrel 5.5 \* 2.5 \* 11mm with internal Spring Clip and Locking Notch or Equal

**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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#### LABEL:L-1186

Standard GT LABEL P/N:

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

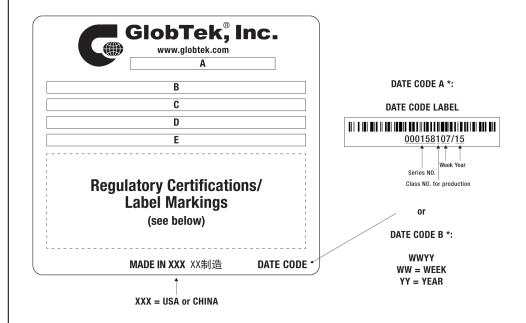
White or Gray

LABEL WIDTH (mm): LABEL HEIGHT (mm): 39.6

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) TR9KB3000LCP-N(R6B) C=Model (型号) GT-46200-1806-0.05-T2 D=Input (输入) 100-240V~, 50-60 Hz, 0.5 A E=Output (输出)5.95 V === 3 A ,18.0W

http://www.globtek.info/certs/GT-46200-20VV-X.X-TZ/ 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/a0Oa000000MFKIvEAH

RoHS/RoHS2 Declaration http://www.globtek.com/pdf/rohs\_cert/01ta0000005nVXcAAM

**REACH Declaration** http://www.globtek.com/pdf/iso\_certificates/REACH.pdf

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**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/a0Oa000000MFKlv http://www.globtek.info/certs/GT-46200-20VV-X.X-TZ/ AGENCY ONLINE DOCUMENTS:



Center Positive (+V)

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## **PACKAGING**

Packing Spec P/N: Standard DT, Individually

Box

Box Qty: 72

BLADE/CORD INSTALLED: N/A:

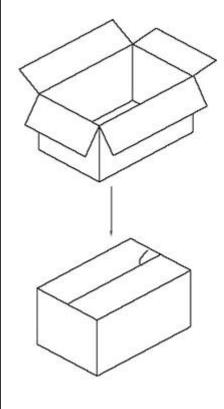
Gift Box Size (mm): 125\*58\*60
Gift Box Color: White

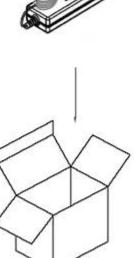
Master Carton Size (mm): 510\*350\*272

Master GW (Kg): 15.4 kg

BLADES INCLUDED: N/A:

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	