Drawing Title: GTM86100-1005-W2E-USB, ITE / Medical Power Supply, Efficiency Level: VI, Case Color/Style: GlobTek Black, Wall Plug-in, AC/DC Switching Adapter with USB Power Supply AC Adaptor, Input Rating: 100-240V~, 50-60Hz, Euro Plug Fixed, Output Rating: 10W, 5V@2A, Output Configuration: N/A mm, N/A/4 Cond, N/A, Type "A" USB "JACK", integral to power supply enclosure, Ferrite: None, N/A, GT Cord # C0132, Pin Out: USB Jack, Pin 1: (+), Pin 2: AND Pin 3: SHORT, Pin 4: Com, Blades/Input Cord: Fixed Blades Europlug 2 pins, Class II; P/N: Q-EU(R), Approvals: Ukraine S-Mark IEC/EN 60601-1 EAC CE China RoHS Double Insulation Level VI RoHS VCCI WEEE

Model No. GTM86100-1005-W2E-USB

Part No./Ordering No. WR9MA2000USBMF(R6B)

Rev B

REVISION HISTORY

REV	DESCRIPTION	SUB	DATE	APPROVED
В	Update pinout to Pin 1: (+), Pin 2: AND Pin 3: Shorted, Pin 4: Com	QA	02/23/2018	QA
A1	Update approval: adding S-Mark	rchiu	12/05/2017	QA
Α	Initial release.	rchiu	07/11/2017	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.

GTM86100-1005-W2E-USB, 10W, 5V@2A, Wall Plug-in, AC/DC Switching Adapter with USB Power Supply AC Adaptor

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Model No. GTM86100-1005-W2E-USB

Part No./Ordering No. WR9MA2000USBMF(R6B)

Rev B

POWER SUPPLY INFORMATION

TYPE: Wall Plug-in

TECHNOLOGY: AC/DC Switching Adapter with USB Power Supply AC Adaptor

CASE COLOR: GlobTek Black

NAMEPLATE RATED INPUT: 100-240V~, 50-60Hz, 0.3A

INPUT CONFIG: Euro Plug Fixed

WATTS: 10.0 VOLTS OUT: CURRENT OUT (Amps): 2 FBEU: BLADE/CORD INCLUDED: BLADE/CORD INSTALLED: FBEU:

GROUNDING

(F1) Class II / Double Insulated CONFIGURATION

EFFICIENCY LEVEL:

OUTPUT CONFIGURATION

N/A mm, N/A/4 Cond, N/A, Type "A" USB "JACK", integral to power supply enclosure, Ferrite: None, N/A, GT Cord #

C0132

CONNECTOR PIN OUT: USB Jack, Pin 1: (+), Pin 2: AND Pin 3: SHORT, Pin 4: Com

LABEL SPECS: Standard GT,L-1186

PACK SPEC: Standard with USB Jack, Individually Box

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

Without Green Indicator LED

DIMENSIONS ARE IN MM UNLESS SPECIFIED OTHERWISE.

Drawing Title: GTM86100-1005-W2E-USB, ITE / Medical Power Supply, Efficiency Level: VI, Case Color/Style: GlobTek Black, Wall Plug-in, AC/DC Switching Adapter with USB Power Supply AC Adaptor, Input Rating: 100-240V~, 50-60Hz, Euro Plug Fixed, Output Rating: 10W, 5V@2A, Output Configuration: N/A mm, N/A/4 Cond, N/A, Type "A" USB "JACK", integral to power supply enclosure, Ferrite: None, N/A, GT Cord # C0132, Pin Out: USB Jack, Pin 1: (+), Pin 2: AND Pin 3: SHORT, Pin 4: Com, Blades/Input Cord: Fixed Blades Europlug 2 pins, Class II; P/N: Q-EU(R), Approvals: Ukraine S-Mark IEC/EN 60601-1 EAC CE China RoHS Double Insulation Level VI RoHS VCCI WEEE

Model No. GTM86100-1005-W2E-USB

Part No./Ordering No. WR9MA2000USBMF(R6B)

Rev B

ELECTRICAL SPECIFICATIONS

- 01. Input Voltage: Specified 90-264 Vac, Nameplate rated: 100-240Vac
- 02. Input Frequency: Specified 47-63 Hz, Nameplate rated 50/60Hz
- 03. Output Regulation: +/- 5% measured at the end of a 1 meter USB cordset employing #20 Gauge conductors
- 04. Line Voltage Regulation: +/- 1% typical measured at the end of a 1 meter USB cordset employing #20 Gauge conductors
- 05. Output Ripple (Vp-p): 100 mVpp max, measured at the end of a 1 meter USB cordset employing #20 Gauge conductors. Measured at 20 MHz bandwidth with 0.1 uf ceramic capacitor in parallel with a low impedance 47 uf electrolytic capacitor connected at the end of the output connector.
- 06. Hold-up Time: 5 mS minimum
- 07. Inrush Current: 30A maximum @ 230Vac input
- 08. Energy Efficiency: Complies to Efficiency Level VI and ErP European Commission's Ecodesign Directive (2005/32/EC) / CoC Tier 2 Compliant

B) PROTECTION

- 01. Over-current protection: 4A maximum with auto-recovery function
- 02. Over-voltage protection: 10VDC maximum with zener clamp
- 03. Short-circuit protection: The adapter shall not be damaged by short the DC output to Ground.

C) SAFETY

- 01. Dielectric Withstand Voltage: Primary To Secondary: 4000VAC or 5656VDC for 3 seconds
- 02. Leakage Current: 50uA maximum, at nominal 240Vac input voltage
- 03. ESD Immunity per EN61000-4-2, ±8 kV contact, ±15 kV air, Perf Criteria A Standard.

D) OTHER:

- 01. MTBF: 300,000 Hours @ 25°C ambient temperature
- 02. Operating Temperature: 0°C to 50°C ambient temperature
- 03. Operating Humidity: 20 ~ 85 % RH. non-condensing
- 05. Storage Temperature: -20°C to 60°C
- 06. Storage Humidity:5 ~ 95 % RH. non-condensing
- 07. Cooling: Natural convection cooling
- 08. RoHS 2: Complies with EU 2011/65/EU China SJ/T 11364-2014

E) ENCLOSURE

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

F) OPTIONS:

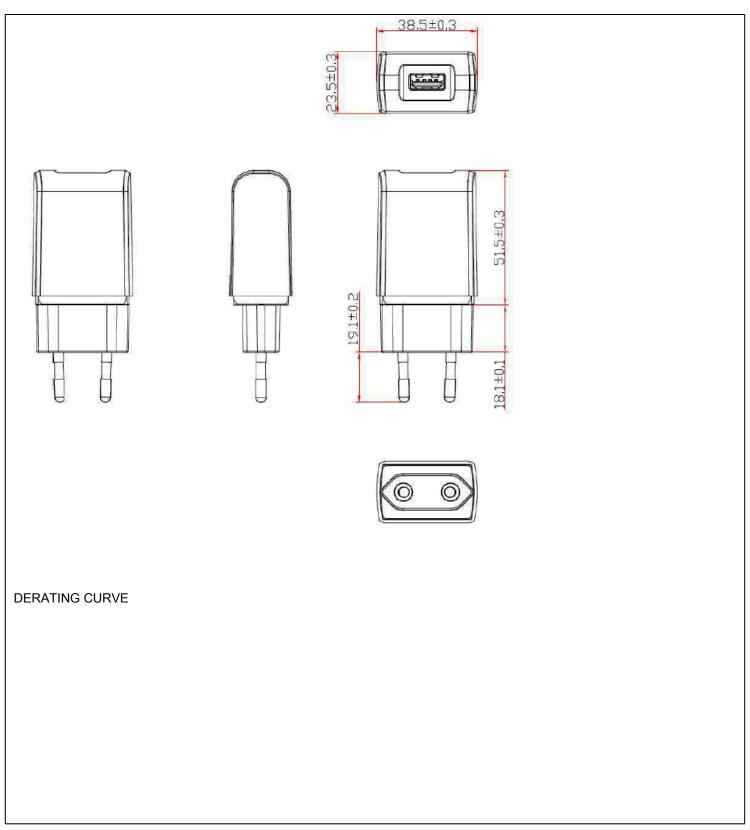
- 01. Green Power On Indicator LED
- 02. NEMA 1-15P or European Schuko 7-16 AC Plug Configuration
- 03. Increased DC Output Voltage (up to 5.4V) to allow for long output cables
- 04. Special International Safety Approvals
- 05. Housing Color, special markings

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Model No. GTM86100-1005-W2E-USB

Part No./Ordering No. WR9MA2000USBMF(R6B)

Rev B

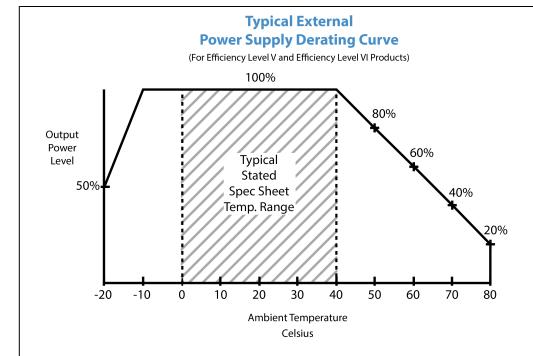


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Rev B



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Model No. GTM86100-1005-W2E-USB

Part No./Ordering No. WR9MA2000USBMF(R6B)

Rev B

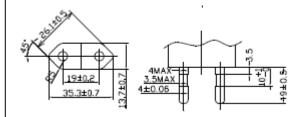
INPUT CONFIGURATION

Grounding Configuration: Blades/Cord Included: FBEU:

Blades/Cord Installed: FBEU:

European CEE 7/16 configuration: Europlug 2 PIN

The prongs of the Europlug are 19 mm long. They consist of a 9 mm long conductive tip of 4 mm diameter with a rounded ending, followed by a 10 mm long flexible insulated shaft of not more than 3.8 mm diameter. The two prongs are not exactly parallel and converge slightly; their centres are 19 mm apart at the tip and 18.6 mm apart at the base. The elasticity of the converging prongs provides sufficient contact force for the Europlug's current rating with a variety of socket-hole arrangements. The entire plug is 35.3 mm wide and 13.7 mm high, and must not exceed these dimensions within 18 mm behind its front plane (this allows for the recesses on many European socket types). The left and right side of the plug are formed by surfaces that are at 45° relative to the horizontal plan.



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Model No. GTM86100-1005-W2E-USB

Part No./Ordering No. WR9MA2000USBMF(R6B)

Rev B

OUTPUT CORD AND CONNECTOR: USBMT/C0132

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

CABLE TYPE N/A CABLE LENGTH (mm) N/A CABLE TOLERANCE (mm) N/A WIRE GAUGE (AWG) N/A **CONDUCTORS** 4 HANK DIMENSION (mm) N/A CABLE / CONNECTOR OVERMOLD COLOR N/A FERRITE TYPE / DIMENSION None FERRITE # OF TURNS (Definition) N/A FERRITE DIMENSION FROM STRAIN RELIEF N/A FERRITE DIMENSION FROM PLUG

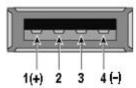
PLUG TYPE Type "A" USB "JACK", integral to power supply enclosure

OVER MOLD ORIENTATION PCB Mount Connector

CONNECTOR PIN OUT: USB Jack, Pin 1: (+), Pin 2: AND Pin 3: SHORT, Pin 4: Com

ADDITIONAL REQUIREMENTS

Front View



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. GTM86100-1005-W2E-USB

Part No./Ordering No. WR9MA2000USBMF(R6B)

Rev B

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

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

TEXT COLOR:

COLOR:

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

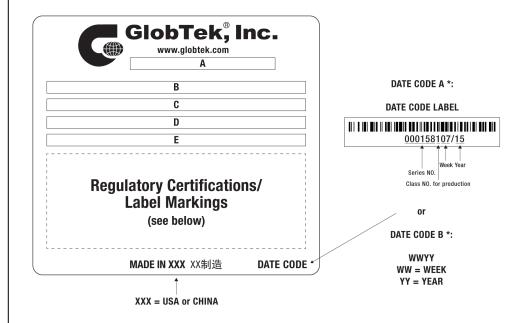
White or Gray

LABEL WIDTH (mm): 37.0 LABEL HEIGHT (mm): 19.0

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 / Medical Power Supply

B=P/N: (料号) WR9MA2000USBMF(R6B) C=Model (型号) GTM86100-1005-W2E-USB D=Input (输入) 100-240V~, 50-60Hz, 0.3A E=Output (输出)5 V === 2 A ,10.0W

http://www.globtek.info/certs/GTM86100/ AGENCY ONLINE DOCUMENTS

CE EC-Declaration for Medical http://www.globtek.com/pdf/ec_declaration/a0Oa000000FlgEIEAJ CE EC-Declaration for Industrial/Commercial/ITE http://www.globtek.com/pdf/ec_declaration/a0Oa000000FlgEIEAJ RoHS/RoHS2 Declaration http://www.globtek.com/pdf/rohs_cert/01ta0000008APrLAAW

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

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Model No. GTM86100-1005-W2E-USB

Part No./Ordering No. WR9MA2000USBMF(R6B)

Rev B

Conflict Minerals Declaration

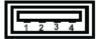
http://www.globtek.com/pdf/conflict-minerals.pdf

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/a0Oa000000FlgEI

AGENCY ONLINE DOCUMENTS: http://www.globtek.info/certs/GTM86100/



USB Jack, Pin 1: (+), Pin 2: AND Pin 3: SHORT, Pin 4: Com

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Model No. GTM86100-1005-W2E-USB

Part No./Ordering No. WR9MA2000USBMF(R6B)

Rev B

PACKAGING

Packing Spec P/N:

Standard with USB Jack, Individually

Box

Box Qty:

300

Gift Box Size (mm):

43(L)*30(W)*95

Gift Box Color:

White

Master Carton Size (mm):

485*335*305

Master GW (Kg):

12.0 kg

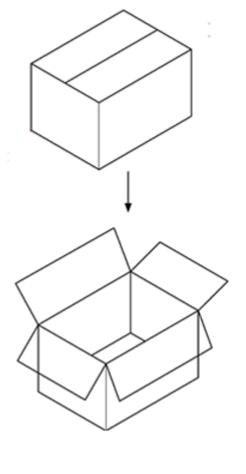
BLADES INCLUDED:

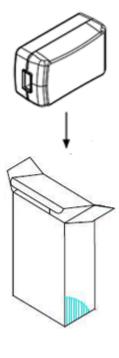
FBEU:

BLADE/CORD INSTALLED:

FBEU:

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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Model No. GTM86100-1005-W2E-USB

Part No./Ordering No. WR9MA2000USBMF(R6B)

Rev B

NSTRUCTION SHEET	
I/A	