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| | |
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| Drawing Title: GTM96900P8512-T3Z, ICT / ITE / Medical Power Supply/Class 2/Household Power Supply, Efficiency Level: USA DOE Level VI / Eco-design Directive 2009/125/EC, (EU) 2019/1782, Case Color/Style: GlobTek Black, Desktop/External, Regulated Switchmode AC-DC Power Supply AC Adaptor, Input Rating: 100-240V~, 50-60Hz, IEC 60320/C14 , Output Rating: 85W, 12.0V@7.08A, Output Configuration: 1200 mm, 14/1C + Shield Cond, UL 1185, 4 Pin Locking Kycon or Equal, Ferrite: None, GlobTek Black, GT Cord # C20245, Pin Out: PINS 2,4: +V, PINS 1, 3, SHELL: COM (and EARTH GROUND if power supply grounding configuration specifies grounded Common return), Blades/Input Cord: (Order Separately), Approvals: CB 61347; RCM; LPS 60950; CCC; Patent US9838207B2; VCCI; EAC; IP41; cETLus 60601-1-11; UL 1310; cETLus 60950-1; S-Mark 62368; IRAM; ETL (Brazil); UKCA; UL 1310; Conforms to 62368-1; ETL 62368; LPS 62368; Morocco; FCC; Taiwan BSMI (12, 15,19,24,48 and 54Vonly); South Africa; Fuse 60335; CB 60950; ETL; ETL; CB 60335; S-Mark 60950; CB 62368; ETL; CB 60601-1; S-Mark; CE; China RoHS; Class I; Level VI; RoHS; Ukraine; WEEE; PSE; PSE; PSE; | |
| Model No. GTM96900P8512-T3Z | |
| Part No./Ordering No. TR9CE7080YL4IMR6BLPS | Rev C |

In Addition to GlobTek Inc.'s renewed ISO9001:2015 - Quality Management System Certification, GlobTek Inc. is now certified to:

ISO13485:2016 - Medical Devices Quality Management System Certification
ISO14001:2015 - Environmental Management System Certification

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

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 (attached to the end of this document), which supersede all other agreements, terms, and conditions (https://en.globtek.com/terms-and-conditions/).

The purchaser of this product (Customer) agrees that it is their sole responsibility to determine suitability/fitness of the product described in this specification for their application and to take precautions for protection against any hazards attendant to the handling and use of the product.

Footnote:

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

Limitation of Use:

GlobTek products are intended for use with commercial, medical, and/or industrial equipment only. 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.

## 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: |

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Model No. GTM96900P8512-T3Z

Part No./Ordering No. TR9CE7080YL4IMR6BLPS — Rev C

# REVISION HISTORY

| REV | DESCRIPTION | SUB | DATE | APPROVED |
|---|---|---|---|---|
| C | Update Grounding configuration to F2 | QA | 11/27/2018 | QA |
| B | Revise part number from TR9CE7080YL4CIMR6B to TR9CE7080YL4IMR6BLPS to follow format. | bsiep | 03/27/2018 | QA |
| A | Initial Release | bsiep | 03/26/2018 | QA |

## POWER SUPPLY INFORMATION

| | |
|---|---|
| TYPE: | Desktop/External |
| TECHNOLOGY: | Regulated Switchmode AC-DC Power Supply AC Adaptor |
| CASE COLOR: | GlobTek Black |
| NAMEPLATE RATED INPUT: | 100-240V~, 50-60Hz, 1.5A |
| INPUT CONFIG: | IEC 60320/C14 |
| WATTS: | 85.0 |
| VOLTS OUT: | 12.0 |
| CURRENT OUT (Amps): | 7.08 |
| BLADE/CORD INCLUDED: | None (Order Separately) |
| BLADE/CORD INSTALLED: | None :(Order Separately) |
| INGRESS PROTECTION: | IP41 |
| GROUNDING CONFIGURATION: | (F2) Isolated Functional Earth for GTM96 series, Improved EMC |
| EFFICIENCY LEVEL: | USA DOE Level VI / Eco-design Directive 2009/125/EC, (EU) 2019/1782 |
| OUTPUT CONFIGURATION: | 1200 mm, 14/1C + Shield Cond, UL 1185, 4 Pin Locking Kycon or Equal, Ferrite: None, GlobTek Black, GT Cord # C20245 |
| OVERMOLDED: | No |
| OUTPUT CONNECTOR GENDER: | Male |
| CONNECTOR PIN OUT: | PINS 2,4: +V, PINS 1, 3, SHELL: COM (and EARTH GROUND if power supply grounding configuration specifies grounded Common return) |
| LABEL SPECS: | Standard GT,L-1186 |
| SPECIAL BARCODE LABEL MATERIAL: | No |
| PACK SPEC: | Standard DT, Cellular packaging, User manual |
| USER MANUAL: | 809-DESKTOPUSERMANUAL on A4 paper |

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| Model No. GTM96900P8512-T3Z | |
| Part No./Ordering No. TR9CE7080YL4IMR6BLPS | Rev C |

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

DIMENSIONS ARE IN MM UNLESS SPECIFIED OTHERWISE.

LPS ~ Reference RFP RFI-497430 for implementation.

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Model No. GTM96900P8512-T3Z

Part No./Ordering No. TR9CE7080YL4IMR6BLPS | Rev C

ELECTRICAL SPECIFICATIONS

## Input

| | |
|---|---|
| Input Voltage: | Specified: 90-264VAC, Nameplate: 100-240VAC<br>100% rated load current for 90-264VAC<br>90% rated load current for 85-264VAC<br>100% rated load current for 90-370VDC |
| Input Frequency: | Specified: 47-63Hz, Nameplate: 50-60Hz |
| Power Factor: | 0.90 min. @ 230VAC, 0.97 min. @ 115VAC |
| No Load Input Power: | < 150mW @ 115/230VAC |
| Inrush Current: | < 65A @ 115VAC, < 130A @ 230VAC (cold start) |
| Efficiency: | DoE Level VI and EU CoC Tier 2 compliant |

## Output

| | |
|---|---|
| Turn-on Delay: | 1 second typ. |
| Output Regulation: | ± 4% (measured at output connector) |
| Line Regulation: | ± 0.5% typ. (measured at output connector, full load) |
| Ripple: | 1% or 200mV, whichever is greater (using a 47µF low-ESR cap + 0.1µF ceramic capacitor, measured @ 20MHz BW, at output connector) |
| Startup Overshoot: | 5% max. |
| Transient Response: | 5% max. deviation, 1ms typ. recovery time (with 25% to 50% load step) |
| Hold-up Time: | 20ms min. |
| Power Indicator: | Green LED |
| Switching Frequency: | Variable, 25KHz - 125KHz, depending on load |
| Output Type: | Z-suffix only: IEC62368-1 Limited Power Source (LPS), 8A and 100W max. |

## Protections

| | |
|---|---|
| Input Protection: | 300VAC MOV transient suppressor, input line fusing |
| Over-Current Protection (Non-LPS Version): | 110 - 160% of rated output current, auto-restart |
| Over-Current Protection: (LPS "Z" Version) | Overload limited to less than 8A and less than 100W, auto-restart |
| Short-Circuit Protection: | Auto-restart |
| Over-Voltage Protection: | 110 - 135% (60V max for models rated 45 - 54V), full load condition, latched off, cycle AC to reset |
| Over-Temperature Protection | On-chip temperature sensor (integrated in primary-side switching controller), shut down at Tj = ~150°C, restart at Tj = ~140°C |

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Model No. GTM96900P8512-T3Z

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## Environmental

| | |
|---|---|
| MTBF: | 1,500,000 hours @ 25°C ambient, full load (Telcordia SR-332, Issue 3) |
| Operating Temperature: | -10°C to 40°C (full load) |
| Storage Temperature: | -30°C to 80°C |
| Humidity: | 0% to 95% relative humidity, non-condensing |
| Altitude: | 5000m |
| Cooling: | Convection |
| RoHS: | Complies with EU 2011/65/EU and China SJ/T 11363-2006 |
| Note 1: | Regarding operating temperature<br>a. See below de-rating table for output power capability at alternate temperature<br>b. Extended low-end temperature range available as a custom option |

## Safety

| | |
|---|---|
| Dielectric Withstand Voltage: | 4000VAC or 5656VDC from input to output<br>3000VAC or 4242VDC from input to earth (Class I models only) |
| Touch Current: | Class I: 20µA max.<br>Class II: 70µA max. |
| Earth Leakage Current | Class I: 300µA max.<br>Class II: N/A |
| Means of Protection: | 2 x MOPP |
| Output Isolation Options: | Class I: C6 or C14 inlet (output negative tied to Earth contact)<br>Class II: C8 or C18 inlet<br>Class II FE: C6 or C14 inlet (output isolated from Earth contact)<br>Review isolation options by reading our white paper PSU Isolation and Identity. |
| Primary-to-Secondary Bridging Capacitors: | Two IEC60384-14 Class Y1 capacitors |
| Earth Continuity Test: | < 0.1Ω between earth pin (on AC inlet) and PCB termination point (Class I models only) |
| Compliant Standards: | See listing at end of this datasheet for specific standards |

## EMC

| | |
|---|---|
| Applicable Standards: | Medical: EN60601-1-2, 4th edition<br>Emissions: EN55032, EN61000-6-3, EN61000-6-4, CISPR11, CISPR22<br>Immunity: EN55024, EN61000-6-1, EN61000-6-2 |
| Conducted Emissions: | Class B, FCC Part 15, Class B (with resistive load) |
| Radiated Emissions: | Class B, FCC Part 15, Class B (with resistive load) |
| Harmonic Current Voltage Distortion: | EN61000-3-2, Class A |
| Voltage Fluctuations/Flicker: | EN61000-3-3 |
| Electrostatic Discharge (ESD) Immunity: | EN61000-4-2, 10KV contact discharge, 18KV air discharge |
| Radiated RF Immunity: | EN61000-4-3, 10V/m 80-1000MHz, 3V/m 1-2.7GHz, 80% 1KHz AM |
| EFT/Burst Immunity: | EN61000-4-4, 4KV/100kHz. |

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| | |
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| Line Surge Immunity: | EN61000-4-5, 2KV differential, 4KV common-mode |
| Conducted RF Immunity: | EN61000-4-6, 3VRMS, 80% 1KHz AM |
| Power Frequency Magnetic Field Immunity: | EN61000-4-8, 3A/m |
| Voltage Dip Immunity: | EN61000-4-11 |

## Enclosure

| | |
|---|---|
| Housing: | High impact plastic, 94V0 polycarbonate, non-vented |
| Size: | 149.4 * 62.6 * 33.5mm, ± 1.0mm |
| AC Input Mechanical Options: | C6, C8, C14, or C18 IEC inlet |
| Markings: | Label and/or pad printed and/or laser-etched into case |

## Special Options

1. IEC62368-1 Limited Power Source (LPS) version (add Z suffix)
2. Reduced leakage current to meet IEC60601-1 Type-CF limits
3. Improved EN61000-4-5 line surge immunity (3KV differential, 5KV common-mode)
4. Reduced harmonic current levels for LED lighting (EN61000-3-2 Class C), available in three load ranges: 27-45W, 40-60W, and 60-90W
5. Ruggedized construction with improved shock and vibration resistance
6. Compliance to IPC-600, IPC-610, IPC-6012 Class 2 or 3
7. Short term output surge capability for motors or other high peak current loads (non-LPS version only)
8. Custom cordsets, special cordage and connector types
9. Custom housing markings
10. Custom housing/cordage colors
11. Tightened output voltage tolerance
12. Reduced output ripple level
13. Reduced output power rating
14. Low temperature option, down to -40°C
15. Epoxy potted version "P2" or "P3" suffix, with flying wires or custom cables
16. "Back EMF" upgrade, for motor loads and other high inductance applications with reverse energy flow requirements
17. Improved ingress protection (IP) rating

## Output Connectors

- Several output connector options are available with various output current ratings. GlobTek can supply 10A rated 2.1mm and 2.5mm style DC Power Jacks, to complement our 10A output rated 2.1mm and 2.5mm DC power plugs used on our output cordsets.
- Please visit our real-time listing of mating connector product offering: https://en.globtek.com/news/high-current-coaxial-barrel-plug-jacks-for-high-wattage-power-supplies


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TO ADDRESS SYSTEM-LEVEL EMI CONCERNS, FERRITE CHOKES/BEADS MAY BE ADDED/REVISED UPON REQUEST. A SAMPLE KIT OF GLOBTEK'S STANDARD FERRITES IS AVAILABLE UNDER GLOBTEK P/N: EMI-MITIGATION-KIT1

FOR ADDITIONAL INFORMATION, PLEASE READ OUR WHITE PAPER AT:
https://en.globtek.com/technical-articles/ferrite-kit-radiated-emi-suppression-kit-for-globtek-power-supplies-cable-assemblies

INGRESS PROTECTION: IP41

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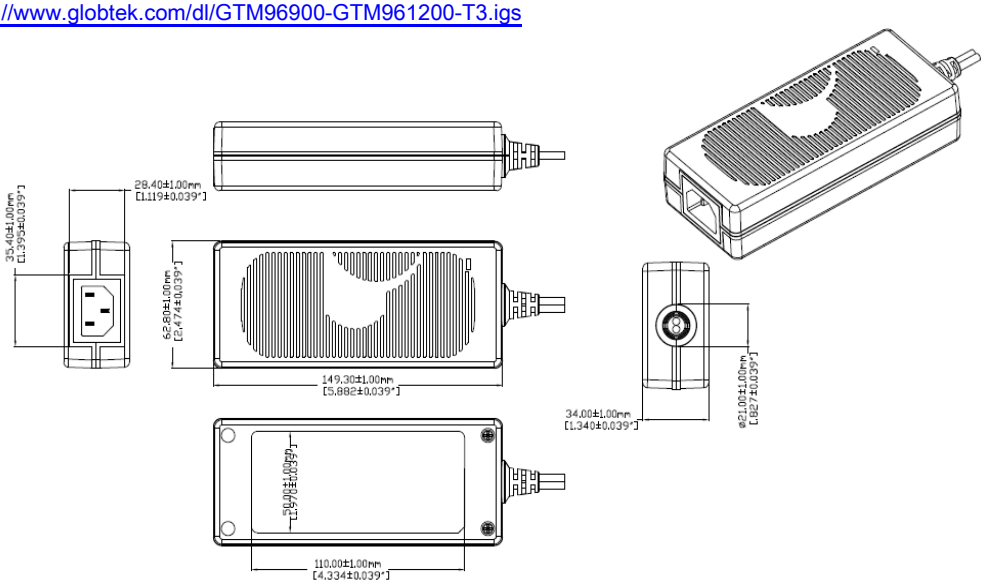
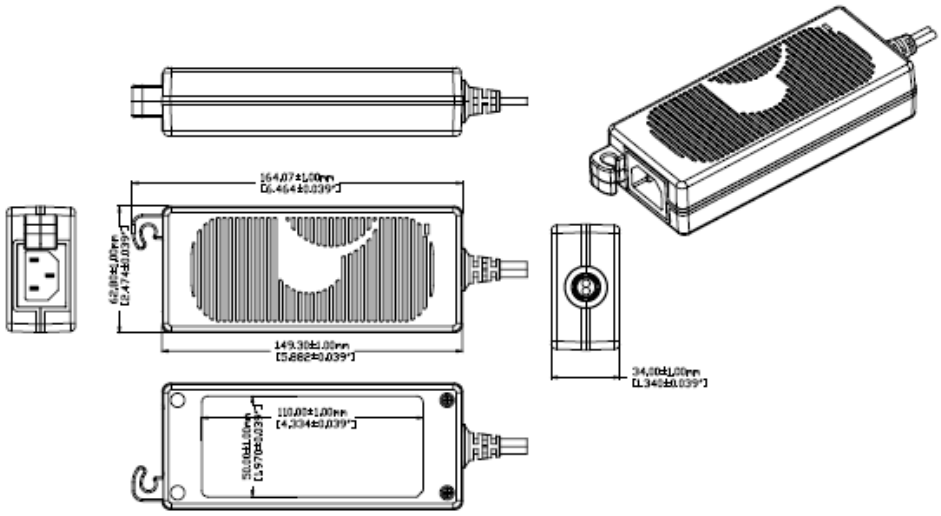



Alternative housing with input cord clamp to prevent accidental removal of the power cord. Product PN# ends with suffix "CL"

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Drawing Title: GTM96900P8512-T3Z, ICT / ITE / Medical Power Supply/Class 2/Household Power Supply, Efficiency Level: USA DOE Level VI / Eco-design Directive 2009/125/EC, (EU) 2019/1782, Case Color/Style: GlobTek Black, Desktop/External, Regulated Switchmode AC-DC Power Supply AC Adaptor, Input Rating: 100-240V~, 50-60Hz, IEC 60320/C14 , Output Rating: 85W, 12.0V@7.08A, Output Configuration: 1200 mm, 14/1C + Shield Cond, UL 1185, 4 Pin Locking Kycon or Equal, Ferrite: None, GlobTek Black, GT Cord # C20245, Pin Out: PINS 2,4: +V, PINS 1, 3, SHELL: COM (and EARTH GROUND if power supply grounding configuration specifies grounded Common return), Blades/Input Cord: (Order Separately), Approvals: CB 61347; RCM; LPS 60950; CCC; Patent US9838207B2; VCCI; EAC; IP41; cETLus 60601-1-11; UL 1310; cETLus 60950-1; S-Mark 62368; IRAM; ETL (Brazil); UKCA; UL 1310; Conforms to 62368-1; ETL 62368; LPS 62368; Morocco; FCC; Taiwan BSMI (12, 15,19,24,48 and 54Vonly); South Africa; Fuse 60335; CB 60950; ETL; ETL; CB 60335; S-Mark 60950; CB 62368; ETL; CB 60601-1; S-Mark; CE; China RoHS; Class I; Level VI; RoHS; Ukraine; WEEE; PSE; PSE; PSE;

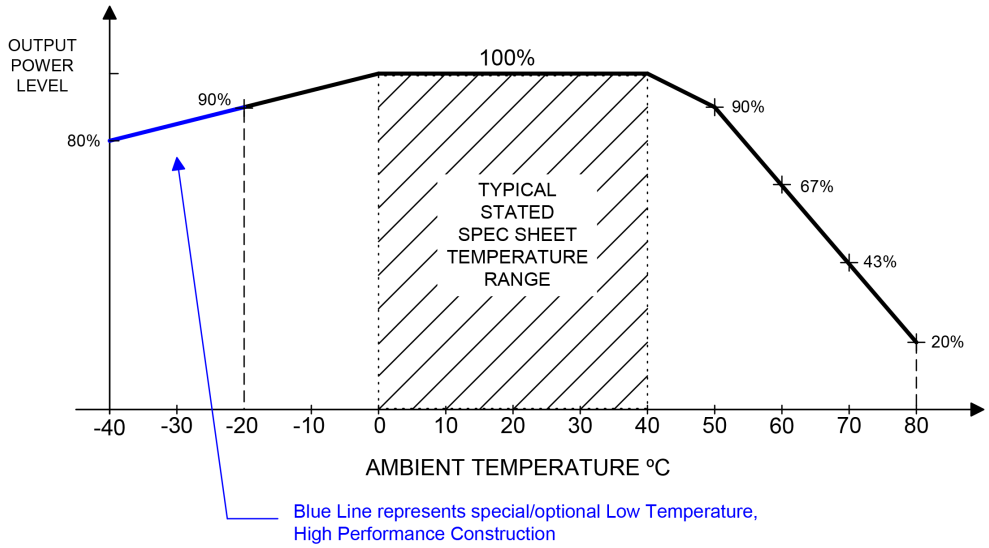
Model No. GTM96900P8512-T3Z

Part No./Ordering No. TR9CE7080YL4IMR6BLPS | Rev C

## DERATING CURVE

**TYPICAL EXTERNAL POWER SUPPLY DERATING CURVE**

(GTM96900 LPS PRODUCTS)

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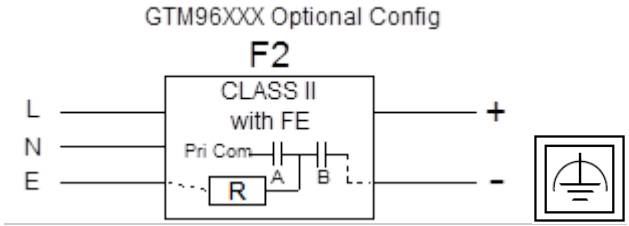
| Model No. GTM96900P8512-T3Z | |
| Part No./Ordering No. TR9CE7080YL4IMR6BLPS | Rev C |

## INPUT CONFIGURATION

(F2) Isolated Functional Earth for GTM96 series, Improved EMC

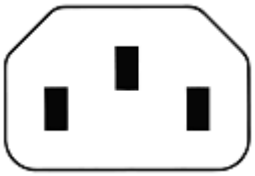



Alternate grounding configurations available upon request.

Blades/Cord Included:None:(Order Separately)

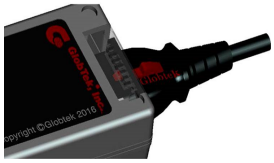
Blades/Cord Installed:None:(Order Separately)

IEC 60320/C14 AC Inlet Connector, Class I, Earth Ground



Mates with IEC 60320/C13 Plug

Optional Locking IEC60320 Receptable and cord option available on some models by request.:



## Standard International IEC 320/C13 Cordsets

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

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| | Model No. GTM96900P8512-T3Z | |
| | Part No./Ordering No. TR9CE7080YL4IMR6BLPS | Rev C |

## Stock Power Supply Cords

| Part Number/ Link | Country | Plug | Termination | Length (mm) | (Ft) |
|---|---|---|---|---|---|
| 3021457F701(R) | N. American (Type B) | NEMA 5-15P | IEC 320/C13 | 2150 | 7 |
| 1191068F0701(R) | N. American (Type B) | NEMA 5-15P Hospital | IEC 320/C13 | 2459 | 8 |
| 2194272M5701-T(R) | Argentina (Type I) | IRAM 2073 | IEC 320/C13 | 2500 | 8 |
| 5502022M5701A(R) | Australian (Type I) | AS3112 / 3 PRONG | IEC 320/C13 | 2500 | 8 |
| 204B4272M5701(R) | Brazil (Type N) | BRAZIL | IEC 320/C13 | 2500 | 8 |
| 6023602M5701(R) | China (Type I) | CCC GR2099 | IEC 320/C13 | 2500 | 8 |
| G8014272M5701(R) | Danish (Type K) | AFSNIT SECTION 107-2-D1 | IEC 320/C13 | 2500 | 8 |
| 23144272M5701-T(R) | Europe (Type E) | CEE 7/7 | IEC 320/C13 | 2500 | 8 |
| 23134272M5701EUKR(R) | Europe/Korea Combo (Type E) | CEE 7/7 / KSC8305 | IEC 320/C13 | 2500 | 8 |
| 205IN4272M5701(R) | India (Type D) | India IS 1293 (also known as IA16A3 or BS546) | IEC 320/C13 | 2500 | 8 |
| 208IN4272M5701(R) | India (Type M) | India IS 1293 (also known as IA16A3 or BS546) | IEC320/C13 | 2500 | 8 |
| 377C4272M5701(R) | Israel (Type H) | ISL 377C | IEC 320/C13 | 2500 | 8 |
| 23024272M5701(R) | Italy (Type L) | CEI 23-16/VII | IEC 320/C13 | 2500 | 8 |
| 3003339F701(R) [3x1.25mm2]<br><br>3003068F2701-HK(R) [3 x 2.0mm2] | Japan (Type B) | JIS 8303 / 3 PINS | IEC 320/C13 | 2500 | 8 |
| 302J115J6F0701J(R) | North America / Japan (Type B – 12A) | NEMA 5-15P (cULus approved), Japan JIS C 8303 (PSE Approved) | IEC 320/C13 | 1830 | 6 |
| 302J104J6F0701J(R) | North America / Japan (Type B – 15A) | NEMA 5-15P (cULus approved), Japan JIS C 8303 (PSE Approved) | IEC 320/C13 | 1830 | 6 |
| 302JT104J9F0701JT(R) | North America / Japan / Taiwan (Type B – 15A) | NEMA 5-15P (cULus approved), Japan JIS C 8303 (PSE Approved), Taiwan CNS 6797 (BSMI Approved) | IEC 320/C13 | 2800 | 9 |
| 2313K3432M5701(R) | Korea (Type F) | KS C 8305 | IEC 320/C13 | 2500 | 8 |

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| | | | | | |
|---|---|---|---|---|---|
| 5804272M5701(R) | Russia (Type F) | GOST 7396 | IEC 320/C13 | 2500 | 8 |
| 2084272M5701(R) | South Africa (Type M) | South Africa SABS164-1 (16A type) | IEC 320/C13 | 2500 | 8 |
| 23214272M5701(R) | Switzerland (Type J) | SEV 1011 | IEC 320/C13 | 2500 | 8 |
| 3003322M5701(R) | Taiwan (Type B) | BSMI | IEC 320/C13 | 2500 | 8 |
| 6363762M5701(R) | Thailand (Type O) | TIS 166-2549 | IEC 320/C13 | 2500 | 8 |
| PZ0800100-2M5BK13H(R | UK, Hong Kong,Singapore, Gulf States (Type G) | BS 1363A | IEC 320/C13 | 2500 | 8 |
| 7055002M5701A(R) | International | IEC 320 C14-C13 | IEC 320/C13 | 2500 | 8 |


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Model No. GTM96900P8512-T3Z

Part No./Ordering No. TR9CE7080YL4IMR6BLPS | Rev C

## OUTPUT CORD AND CONNECTOR: YL4/C20245

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

| | |
|---|---|
| CABLE TYPE | UL 1185 |
| CABLE LENGTH (mm) | 1200 |
| CABLE TOLERANCE (mm) | +150 / -0 |
| WIRE GAUGE (AWG) | 14 |
| CONDUCTORS | 1C + Shield |
| HANK DIMENSION (mm) | 120 ± 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 | N/A |
| PLUG TYPE | 4 Pin Locking Kycon or Equal |
| OUTPUT CONNECTOR GENDER | Male |
| OVERMOLDED | No |
| OVER MOLD ORIENTATION | Straight |
| CONNECTOR PIN OUT: | PINS 2,4: +V, PINS 1, 3, SHELL: COM (and EARTH GROUND if power supply grounding configuration specifies grounded Common return) |
| ADDITIONAL REQUIREMENTS | UL1310 Warning Label Up To 36 Volts with plugs |

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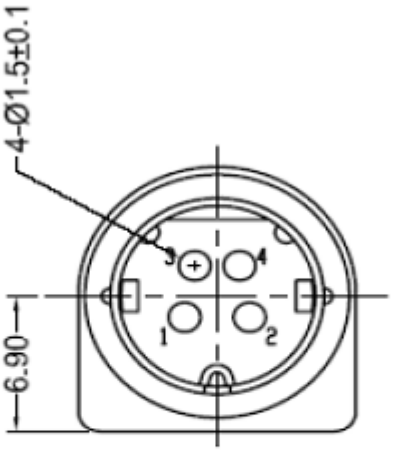
FRONT VIEW




PIN 2 : +V
PIN 4 : +V
PIN 1 : COM/GND
PIN 3 : COM/GND
SHELL: COM/GND

Please visit https://en.globtek.com/news/power-din-locking-connector-cable-assemblies-and-accessories for Power Din connector mating jacks (Sheilded and unsheilded), inline mating plugs, and extension cables in various custom and standard lengths available from stock in both black and white.

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ADDITIONAL OUTPUT PLUG OPTIONS ARE AVAILABLE AT https://www.globtek.com/connectors/
STANDARD PLUGS AND CONNECTORS CAN BE SEEN ONLINE AT https://www.globtek.com/connectors/
CALCULATE VOLTAGE REGULATION/DROP WITH OUR ONLINE CALCULATOR: https://en.globtek.com/output-cable-regulation-calculator/

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## OUTPUT CONNECTOR HOOK UP

TO ADDRESS SYSTEM-LEVEL EMI CONCERNS, FERRITE CHOKES/BEADS MAY BE ADDED/REVISED UPON REQUEST. A SAMPLE KIT OF GLOBTEK'S STANDARD FERRITES IS AVAILABLE UNDER GLOBTEK P/N: EMI-MITIGATION-KIT1

FOR ADDITIONAL INFORMATION, PLEASE READ OUR WHITE PAPER AT:
https://en.globtek.com/technical-articles/ferrite-kit-radiated-emi-suppression-kit-for-globtek-power-supplies-cable-assemblies

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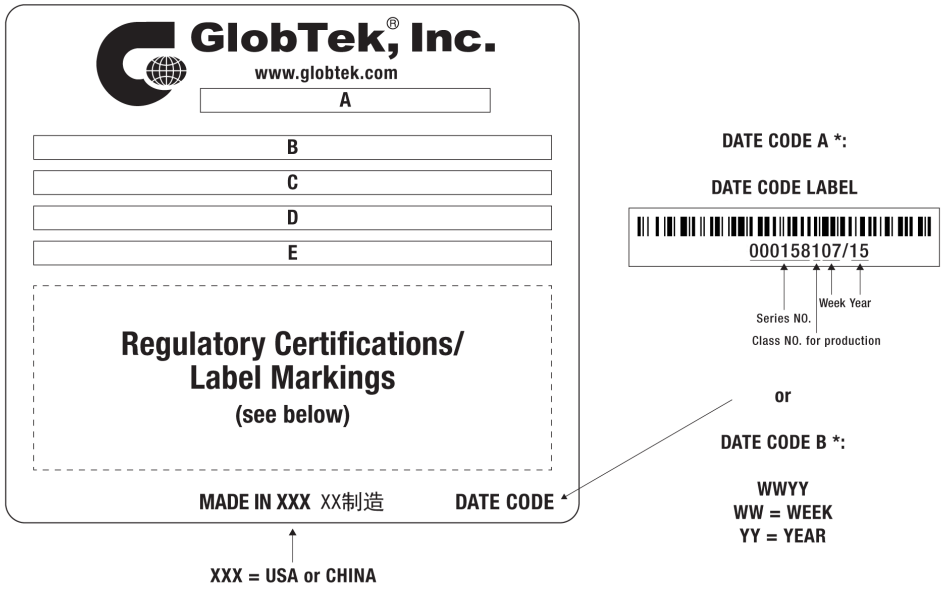
| Model No. GTM96900P8512-T3Z | |
| Part No./Ordering No. TR9CE7080YL4IMR6BLPS | Rev C |

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): | 50.0 |
| LABEL HEIGHT (mm): | 110.0 |
| SPECIAL BARCODE LABEL MATERIAL: | No |

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=ICT / ITE / Medical Power Supply/Class 2/Household Power Supply
B=P/N: (料号) TR9CE7080YL4IMR6BLPS
C=Model (型号) GTM96900P8512-T3Z
D=Input (输入)100-240V~, 50-60Hz, 1.5A
E=Output (输出)12.0 V ⎓ 7.08 A, 85.0W

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| | |
|---|---|
| Drawing Title: GTM96900P8512-T3Z, ICT / ITE / Medical Power Supply/Class 2/Household Power Supply, Efficiency Level: USA DOE Level VI / Eco-design Directive 2009/125/EC, (EU) 2019/1782, Case Color/Style: GlobTek Black, Desktop/External, Regulated Switchmode AC-DC Power Supply AC Adaptor, Input Rating: 100-240V~, 50-60Hz, IEC 60320/C14 , Output Rating: 85W, 12.0V@7.08A, Output Configuration: 1200 mm, 14/1C + Shield Cond, UL 1185, 4 Pin Locking Kycon or Equal, Ferrite: None, GlobTek Black, GT Cord # C20245, Pin Out: PINS 2,4: +V, PINS 1, 3, SHELL: COM (and EARTH GROUND if power supply grounding configuration specifies grounded Common return), Blades/Input Cord: (Order Separately), Approvals: CB 61347; RCM; LPS 60950; CCC; Patent US9838207B2; VCCI; EAC; IP41; cETLus 60601-1-11; UL 1310; cETLus 60950-1; S-Mark 62368; IRAM; ETL (Brazil); UKCA; UL 1310; Conforms to 62368-1; ETL 62368; LPS 62368; Morocco; FCC; Taiwan BSMI (12, 15,19,24,48 and 54Vonly); South Africa; Fuse 60335; CB 60950; ETL; ETL; CB 60335; S-Mark 60950; CB 62368; ETL; CB 60601-1; S-Mark; CE; China RoHS; Class I; Level VI; RoHS; Ukraine; WEEE; PSE; PSE; PSE; | |
| Model No. GTM96900P8512-T3Z | |
| Part No./Ordering No. TR9CE7080YL4IMR6BLPS | Rev C |

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|---|---|
| AGENCY ONLINE DOCUMENTS | http://www.globtek.info/certs/GTM96900P90VV.V/ |
| CE EC-Declaration for Medical | http://globtek.force.com/models/ec_declaration_product?id=01t0c000008OO5c&m=1 |
| CE EC-Declaration for Industrial/Commercial/ITE | http://globtek.force.com/models/ec_declaration_product?id=01t0c000008OO5c&i=2 |
| CE EC-Declaration for Household | http://globtek.force.com/models/ec_declaration_product?id=01t0c000008OO5c&h=2 |
| UKCA-Declaration for Medical | http://globtek.force.com/models/ukca_declaration_product?id=01t0c000008OO5c&m=1 |
| UKCA-Declaration for Industrial/Commercial/ITE | http://globtek.force.com/models/ukca_declaration_product?id=01t0c000008OO5c&i=2 |
| UKCA-Declaration for Household | http://globtek.force.com/models/ukca_declaration_product?id=01t0c000008OO5c&h=2 |
| Morocco SDoC Declaration | https://globtek.secure.force.com/models/Morocco_SDoC_Declaration?id=a0Oa000000MjSZHEA3 |
| RoHS/RoHS3 Declaration | https://www.globtek.com/pdf/rohs_cert/01t0c000008OO5cAAG |
| REACH Declaration | https://www.globtek.com/pdf/iso_certificates/REACH.pdf |
| Conflict Minerals Declaration | https://www.globtek.com/pdf/conflict-minerals.pdf |
| Prop 65 Statement | https://en.globtek.com/prop-65-statement.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

Below follows a link to the latest regulatory certifications and marks for this specific product. National standards as well as certification schemes are constantly changing and so is the set of certification marks and symbols applicable to this product. Various standards, marks and symbols, and certificates are subject to change at any time without notice.

Additional standards or unique country certifications are available upon request. Please contact Globtek to request a quotation.

| | |
|---|---|
| LATEST PRODUCT/MODEL CERTIFICATIONS: | https://www.globtek.com/datasheet/w71081 |
| AGENCY ONLINE DOCUMENTS: | http://www.globtek.info/certs/GTM96900P90VV.V/ |

(F2) Isolated Functional Earth for GTM96 series, Improved EMC

Front View

PINS 2,4: +V, PINS 1, 3, SHELL: COM (and EARTH GROUND if power supply grounding configuration specifies grounded Common return)

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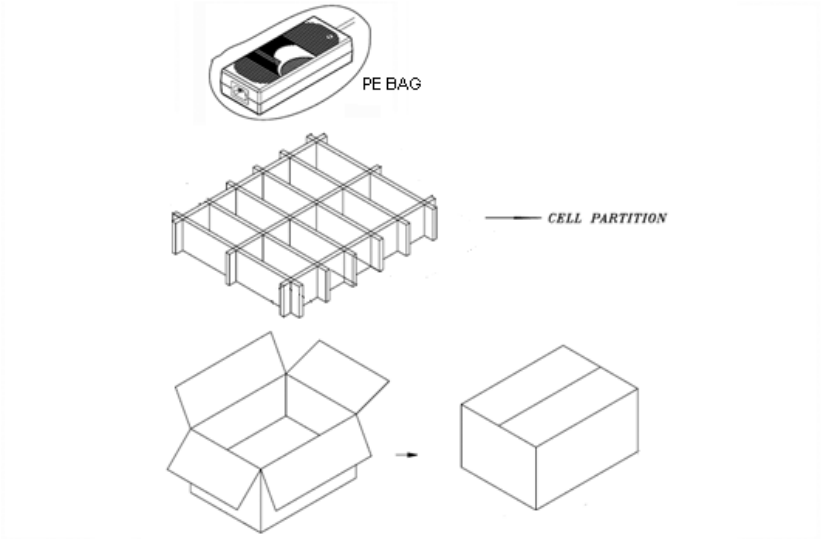
| Model No. GTM96900P8512-T3Z | |
| Part No./Ordering No. TR9CE7080YL4IMR6BLPS | Rev C |

## PACKAGING

| | |
|---|---|
| Packing Spec P/N: | Standard DT, Cellular packaging, User manual |
| Box Qty: | 20 |
| Gift Box Size (mm): | Bulk |
| Gift Box Color: | None |
| Master Carton Size (mm): | 450 x 461 x 182 |
| Master Carton Cubic Volume ($m^3$): | 0.04 |
| Master GW (Kg): | 16.0 kg |
| BLADES INCLUDED: | None: (Order Separately) |
| BLADE/CORD INSTALLED: | None: (Order Separately) |
| USER MANUAL*: | 809-DESKTOPUSERMANUAL on A4 paper |
| USER MANUAL WEB LINK: | https://en.globtek.com/pdf/809-DESKTOPUSERMANUAL.jpg |

* This specification sheet is considered the user manual for all applications. It is expected that the buyer of this product will use it to formulate their own user manual for their end product and a user manual specifically for the power adapter is not usually required. If a user manual is not specifically listed above then none will be provided with this unit.

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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## INSTRUCTIONS TO THE OEM SYSTEMS ENGINEER

It is the responsibility of the OEM systems engineer to provide the end system user instructions and warnings for the use of this product in the end system.

If an input cord is required for this product, AC Mains voltage should be provided to the power supply by a power supply cord approved to the national standards of the country in which it will be used.

This product is not designed to be repaired. No serviceable parts inside. A blown internal fuse is an indication of catastrophic failure of circuit component(s). If a Failure Analysis is required for a failed power supply/battery charger, please return the damaged unit to GlobTek for an accurate determination of the root cause of the failure.

EMC Compliance of the complete OEM product, including the GlobTek power supply/battery charger needs to be verified by the OEM systems engineer.

## INSTRUCTION SHEET

N/A

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