

|                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |       |
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| GlobTek, Inc.<br>www.globtek.com<br>186 Veterans Drive,<br>Northvale, NJ 07647<br>Tel. (201) 784-1000<br>Fax (201) 784-0111 | Drawing Title: GTM96900P9024-T3Z, ITE / Medical Power Supply/Class 2/Household Power Supply, Efficiency Level: VI, Case Color/Style: GlobTek Black, Desktop/External, Regulated Switchmode AC-DC Power Supply AC Adaptor, Input Rating: 100-240V~, 50-60Hz, IEC 60320/C14 , Output Rating: 90W, 24V@3.75A, Output Configuration: 800 mm, 16/2 Cond, Round Black, T-plug system (includes 5.5x2.5, 5.5x2.1, 3.5x1.3mm plugs in each kit), Ferrite: None, GlobTek Black, GT Cord # C19196, Pin Out: Polarity Configuration T00 All plugs are Medical Grade, Locking, Polarized once installed, and single use only. Product demonstration link: <a href="https://en.globtek.com/news/t00-changeable-output-plug-system-for-power-supplies">https://en.globtek.com/news/t00-changeable-output-plug-system-for-power-supplies</a> MOLDED CONNECTORS AVAILABLE, Blades/Input Cord: Not Applicable, Approvals: CB 61347; RCM; LPS; CCC; Patent US9838207B2; VCCI; EAC; IP41; cETLus; UL 1310; cETLus; Singapore (12V); 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; |  |       |
|                                                                                                                             | Model No. GTM96900P9024-T3Z                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |       |
|                                                                                                                             | Part No./Ordering No. TR9CI3750T00IMR6BLPS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  | Rev D |

## REVISION HISTORY

| REV | DESCRIPTION                                                                                                                                                                                                | SUB   | DATE       | APPROVED |
|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|----------|
| D   | Update Grounding configuration to F2                                                                                                                                                                       | QA    | 11/27/2018 | QA       |
| C   | Update Input configuration from C8 to C14,<br>Update Grounding configuration to F2                                                                                                                         | QA    | 08/20/2018 | QA       |
| B   | Added "Z" suffix to model number for LPS; Corrected drawing to show 800mm length; updated grounding configuration to E1 to match actual; corrected pinout from "center positive" to T00 pin configuration. | bsiep | 08/01/2018 | QA       |
| A   | Initial Release                                                                                                                                                                                            | bsiep | 02/19/2018 | QA       |

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/>

### 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 (<https://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 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.

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|                                                                                                                             | Model No. GTM96900P9024-T3Z                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|                                                                                                                             | Part No./Ordering No. TR9CI3750T00IMR6BLPS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|                                                                                                                             | Rev D                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

## 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:                   | 90.0                                                                                                                                                                                                                                                                                                                                                    |
| VOLTS OUT:               | 24                                                                                                                                                                                                                                                                                                                                                      |
| CURRENT OUT (Amps):      | 3.75                                                                                                                                                                                                                                                                                                                                                    |
| BLADE/CORD INCLUDED:     | N/A                                                                                                                                                                                                                                                                                                                                                     |
| BLADE/CORD INSTALLED:    | N/A                                                                                                                                                                                                                                                                                                                                                     |
| INGRESS PROTECTION:      | IP41                                                                                                                                                                                                                                                                                                                                                    |
| GROUNDING CONFIGURATION: | (F2) Isolated Functional Earth for GTM96 series, Improved EMC                                                                                                                                                                                                                                                                                           |
| EFFICIENCY LEVEL:        | VI                                                                                                                                                                                                                                                                                                                                                      |
| OUTPUT CONFIGURATION:    | 800 mm, 16/2 Cond, Round Black, T-plug system (includes 5.5x2.5, 5.5x2.1, 3.5x1.3mm plugs in each kit), Ferrite: None, GlobTek Black, GT Cord # C19196                                                                                                                                                                                                  |
| OVERMOLDED:              | No                                                                                                                                                                                                                                                                                                                                                      |
| CONNECTOR PIN OUT:       | Polarity Configuration T00 All plugs are Medical Grade, Locking, Polarized once installed, and single use only. Product demonstration link: <a href="https://en.globtek.com/news/t00-changeable-output-plug-system-for-power-supplies">https://en.globtek.com/news/t00-changeable-output-plug-system-for-power-supplies</a> MOLDED CONNECTORS AVAILABLE |
| LABEL SPECS:             | Standard GT,L-1186                                                                                                                                                                                                                                                                                                                                      |
| SPECIAL BARCODE LABEL    |                                                                                                                                                                                                                                                                                                                                                         |
| MATERIAL:                |                                                                                                                                                                                                                                                                                                                                                         |
| PACK SPEC:               | Standard DT, Individually Box, GT User Manual                                                                                                                                                                                                                                                                                                           |
| USER MANUAL:             | 809-DESKTOPUSERMANUAL on A4 paper                                                                                                                                                                                                                                                                                                                       |

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



follow RFP RFI-497430 for LPS

DIMENSIONS ARE IN MM UNLESS SPECIFIED OTHERWISE.

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|                                                                                                                             | Model No. GTM96900P9024-T3Z                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|                                                                                                                             | Part No./Ordering No. TR9CI3750T00IMR6BLPS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|                                                                                                                             | Rev D                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

## ELECTRICAL SPECIFICATIONS

### A) ELECTRICAL SPECIFICATIONS:

01. Input Voltage: Specified 90-264 Vac, Nameplate rated: 100-240Vac  
90-264Vac range @ 100% of rated load current  
85-264 Vac range @ 90% of rated load current  
90-370 VDC range @ 100% of rated load current
02. Input Frequency: Specified 47-63 Hz, Nameplate rated 50/60Hz
03. Power Factor: 0.90 minimum @ 230Vac, 0.97 minimum @ 115Vac
04. Output Type: LPS (Limited Power Source), limited to less than 8A and 100W
04. Output Regulation: +/- 4% measured at the output connector
05. Line Voltage Regulation: +/- 0.5% typical measured at full load
06. Green Power On Indicator LED
07. Output Ripple (Vp-p): 1% or 200 mV whichever is greater, 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 at nominal line
08. Turn-ON/OFF Overshoot: 5% maximum, 1 mS typical recovery time for 25% to 50% step load
09. Turn-ON Delay: 1 second typical
10. Hold-Up Time: 20 mS minimum
11. Inrush Current: 30A maximum at 115Vac input and 60A maximum at 230 Vac input
12. Switching Frequency: Varies from 25KHz to 125KHz
13. Efficiency: Compliant with Efficiency Level VI Standard and 230 CoC Tier 2 Limits
14. No Load Standby Power: <0.15 W @ 230Vac

### B) PROTECTION

01. Input Protection: Input line fusing and 300Vac rated MOV
02. Non-LPS version: Current Limited to 110% to 160% of rated output current
03. LPS version: Short Circuit/Overload limited to less than 8A and 100W (add Z suffix in model #)
04. Over-Temperature : Inherently protected against continuous overload at high temperature
05. Output Over-Voltage: 110% to 135% of nominal output voltage under full load condition, and less than 60V max. Latching protection, cycle AC OFF to reset.

### C) SAFETY

01. Dielectric Withstand Voltage: 4000Vac or 5656Vdc from input to output, On Class I models, 3000Vac or 4242Vdc from input to earth
02. Earth Leakage Current: Class I models < 300uA, N/A for Class II models
03. Touch Current: Class I models < 20uA, Class II models < 70uA
04. [Output Isolation Options:](#)
  - a) C8 or C18 Inlet, Class II
  - b) C6 or C14 Inlet, Class II FE, Output Isolated from Earth contact
  - c) C6 or C14 Inlet, Class I, Output negative directly attached to Earth contact
05. Earth Continuity Test: < 0.1 Ohm between Earth Pin at AC input and PCB termination point (Class I models only)
06. Means of Protection: 2 x MOPP
07. Primary to Secondary Bridging Capacitance: Two IEC60384-14 certified Y1 type capacitors in series
08. Compliant Standards: See listings at end of this drawing for specifics

### D) EMC

EN 60601-1-2, 4<sup>th</sup> edition  
Emissions, per EN 55032, EN 61000-6-3, EN 61000-6-4, CISPR11 and CISPR22

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|                                                                                                                             | Model No. GTM96900P9024-T3Z                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|                                                                                                                             | Part No./Ordering No. TR9CI3750T00IMR6BLPS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|                                                                                                                             | Rev D                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

Conducted Emissions: Class B, FCC Part 15, Class B

Radiated Emissions: Class B, FCC Part 15, Class B

Line Frequency Harmonics EN61000-3-2, Class A

Voltage Fluctuations/Flicker EN61000-3-3

Immunity, per EN 55024, EN 61000-6-1, EN 61000-6-2

Static Discharge 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.

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, Criteria

E) OTHER:

01. MTBF: 1,000,000 Hours @ 40°C ambient temperature, Full Load

02. Operating Temperature:

GTM96900P Family: 0°C to 50°C ambient temperature with full load

Regarding Operating Temperature,

a- See below derating table for output power capability at alternate temperature

b- Extended low end temperature range available as custom option

03. Humidity: 0% to 95% relative humidity, non-condensing

04. Storage Temperature: -30°C to 80°C

05. Cooling: Convection

06. ROHS: Compliant with latest regulations, see approvals section below

07. Operational Altitude: 5000M

F) DESKTOP STYLE ENCLOSURE

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

02. Size: 149.4 x 62.6 x 33.5 +/-1.0 mm

03. Markings: Label or Laser printed

04. AC Input mechanical options: Desktop C6, C8, C14 or C18 IEC Inlet.

G) SPECIAL OPTIONS

01. LPS or non-LPS versions (Z suffix for LPS model)

02. Custom Cordsets, various cordage types, and connector types

03. Custom Markings

04. Short term Output Surge Capability, as a non-LPS version

05. Reduced Leakage Current version, medical CF leakage current compliance

06. Tightened output voltage tolerance

07. Reduced Output Ripple Level

08. Reduced output power Marking/Rating

09. LED Lighting, Class C Line Harmonics per 61000-3-2

Three Power Ranges available: 27-51W, 40-65W and 57-90W

10. High Rel PCB laminate with Plated through Holes for IPC610 Class 2 Compliance

11. Low Temperature operation, down to -40°C

12. Special Housing Colors and Cordset Colors

13. Epoxy Potted Version, "P2" or "P3" suffix, with flying wires

14. Back EMF applications, custom solutions. For unusual motor load aps and other high inductance reverse energy flow requirements

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|                                                                                                                             | Rev D                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

15. Improved Ingress Protection Rating

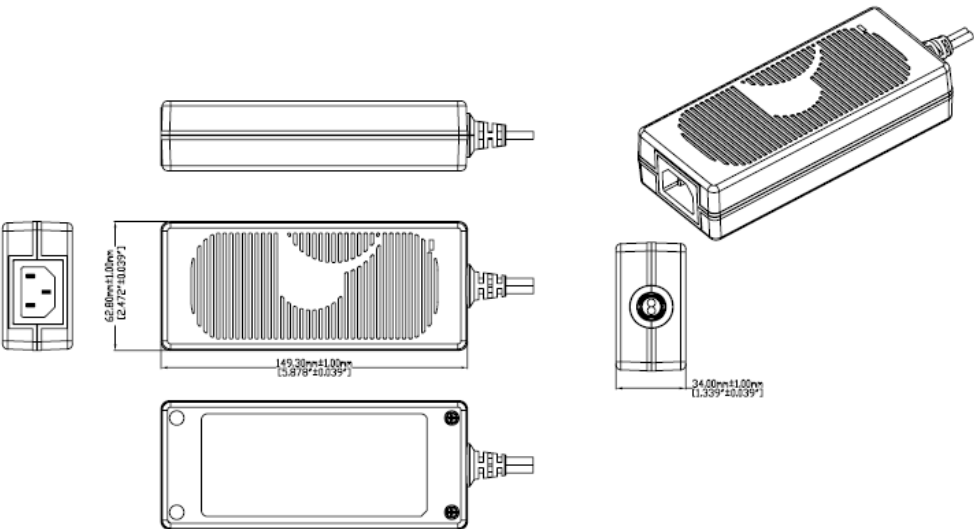
H) OUTPUT CONNECTORS

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 <https://en.globtek.com/news/high-current-coaxial-barrel-plug-jacks-for-high-wattage-power-supplies> for a real time product offering of mating connectors.

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



DERATING CURVE

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Fax (201) 784-0111

Drawing Title: GTM96900P9024-T3Z, ITE / Medical Power Supply/Class 2/Household Power Supply, Efficiency Level: VI, Case Color/Style: GlobTek Black, Desktop/External, Regulated Switchmode AC-DC Power Supply AC Adaptor, Input Rating: 100-240V~, 50-60Hz, IEC 60320/C14 , Output Rating: 90W, 24V@3.75A, Output Configuration: 800 mm, 16/2 Cond, Round Black, T-plug system (includes 5.5x2.5, 5.5x2.1, 3.5x1.3mm plugs in each kit), Ferrite: None, GlobTek Black, GT Cord # C19196, Pin Out: Polarity Configuration T00 All plugs are Medical Grade, Locking, Polarized once installed, and single use only. Product demonstration link: <https://en.globtek.com/news/t00-changeable-output-plug-system-for-power-supplies> MOLDED CONNECTORS AVAILABLE, Blades/Input Cord: Not Applicable, Approvals: CB 61347; RCM; LPS; CCC; Patent US9838207B2; VCCI; EAC; IP41; cETLus; UL 1310; cETLus; Singapore (12V); 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;

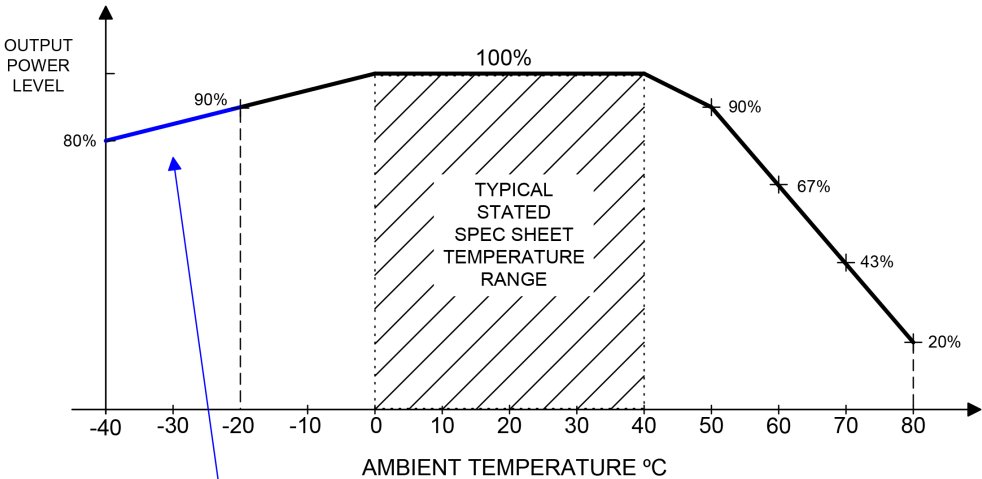
Model No. GTM96900P9024-T3Z

Part No./Ordering No. TR9CI3750T00IMR6BLPS

Rev D

**TYPICAL EXTERNAL POWER SUPPLY  
DERATING CURVE**

(GTM96900 LPS PRODUCTS)



Blue Line represents special/optional Low Temperature,  
High Performance Construction

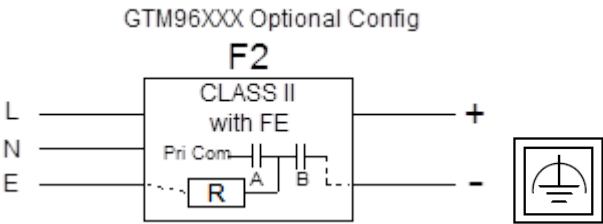
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quest /11/07/2019 10:36:01 AM CLONED FROM TR9KE7500CCP-IM(R6B)

|                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |       |  |
|-----------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|--|
| GlobTek, Inc.<br>www.globtek.com<br>186 Veterans Drive,<br>Northvale, NJ 07647<br>Tel. (201) 784-1000<br>Fax (201) 784-0111 | Drawing Title: GTM96900P9024-T3Z, ITE / Medical Power Supply/Class 2/Household Power Supply, Efficiency Level: VI, Case Color/Style: GlobTek Black, Desktop/External, Regulated Switchmode AC-DC Power Supply AC Adaptor, Input Rating: 100-240V~, 50-60Hz, IEC 60320/C14 , Output Rating: 90W, 24V@3.75A, Output Configuration: 800 mm, 16/2 Cond, Round Black, T-plug system (includes 5.5x2.5, 5.5x2.1, 3.5x1.3mm plugs in each kit), Ferrite: None, GlobTek Black, GT Cord # C19196, Pin Out: Polarity Configuration T00 All plugs are Medical Grade, Locking, Polarized once installed, and single use only. Product demonstration link: https://en.globtek.com/news/t00-changeable-output-plug-system-for-power-supplies MOLDED CONNECTORS AVAILABLE, Blades/Input Cord: Not Applicable, Approvals: CB 61347; RCM; LPS; CCC; Patent US9838207B2; VCCI; EAC; IP41; cETLus; UL 1310; cETLus; Singapore (12V); 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. GTM96900P9024-T3Z                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |       |  |
|                                                                                                                             | Part No./Ordering No. TR9CI3750T00IMR6BLPS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Rev D |  |

INPUT CONFIGURATION

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

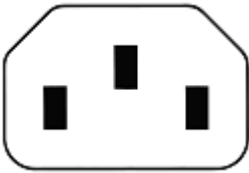


[Alternate grounding configurations](#) available upon request.

Blades/Cord Included:N/A:

Blades/Cord Installed:N/A:

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.

Stock Power Supply Cords

| Part Number/ Link | Country | Plug | Termination | Length (mm) | (Ft) |
|-------------------|---------|------|-------------|-------------|------|
|                   |         |      |             |             |      |

|                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |       |
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|                                                                                                                             | Model No. GTM96900P9024-T3Z                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |       |
|                                                                                                                             | Part No./Ordering No. TR9CI3750T00IMR6BLPS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  | Rev D |

|                                                    |                                                |                                                        |             |      |   |
|----------------------------------------------------|------------------------------------------------|--------------------------------------------------------|-------------|------|---|
| <a href="#">3021457F701(R)</a>                     | N. American (Type B)                           | NEMA 5-15P                                             | IEC 320/C13 | 2150 | 7 |
| <a href="#">1191068F0701(R)</a>                    | N. American (Type B)                           | NEMA 5-15P Hospital                                    | IEC 320/C13 | 2459 | 8 |
| <a href="#">2194272M5701-T(R)</a>                  | Argentina (Type I)                             | IRAM 2073                                              | IEC 320/C13 | 2500 | 8 |
| <a href="#">5502022M5701A(R)</a>                   | Australian (Type I)                            | AS3112 / 3 PRONG                                       | IEC 320/C13 | 2500 | 8 |
| <a href="#">204B4272M5701(R)</a>                   | Brazil (Type N)                                | BRAZIL                                                 | IEC 320/C13 | 2500 | 8 |
| <a href="#">6023602M5701(R)</a>                    | China (Type I)                                 | CCC GR2099                                             | IEC 320/C13 | 2500 | 8 |
| <a href="#">G8014272M5701(R)</a>                   | Danish (Type K)                                | AFSNIT SECTION 107-2-D1                                | IEC 320/C13 | 2500 | 8 |
| <a href="#">23144272M5701-T(R)</a>                 | Europe (Type E)                                | CEE 7/7                                                | IEC 320/C13 | 2500 | 8 |
| <a href="#">205IN4272M5701(R)</a>                  | India (Type D)                                 | India IS 1293 (also known as IA16A3 or BS546)          | IEC 320/C13 | 2500 | 8 |
| <a href="#">208IN4272M5701(R)</a>                  | India (Type M)                                 | India IS 1293 (also known as IA16A3 or BS546)          | IEC320/C13  | 2500 | 8 |
| <a href="#">377C4272M5701(R)</a>                   | Israel (Type H)                                | ISL 377C                                               | IEC 320/C13 | 2500 | 8 |
| <a href="#">23024272M5701(R)</a>                   | Italy (Type L)                                 | CEI 23-16/VII                                          | IEC 320/C13 | 2500 | 8 |
| <a href="#">3003339F701(R)</a><br>[3x1.25mm2]      | Japan (Type B)                                 | JIS 8303 / 3 PINS                                      | IEC 320/C13 | 2500 | 8 |
| <a href="#">3003068F2701-HK(R)</a><br>[3 x 2.0mm2] |                                                |                                                        |             |      |   |
| <a href="#">302J115J6F0701J(R)</a>                 | Japan / North America (Type B – 12A)           | JIS 8303 / 3 PINS and NEMA 5-15P (PSE and UL/CUL appr) | IEC 320/C13 | 1830 | 6 |
| <a href="#">302J104J6F0701J(R)</a>                 | Japan / North America (Type B – 15A)           | JIS 8303 / 3 PINS and NEMA 5-15P (PSE and UL/CUL appr) | IEC 320/C13 | 1830 | 6 |
| <a href="#">2313K3432M5701(R)</a>                  | Korea (Type F)                                 | KS C 8305                                              | IEC 320/C13 | 2500 | 8 |
| <a href="#">5804272M5701(R)</a>                    | Russia (Type F)                                | GOST 7396                                              | IEC 320/C13 | 2500 | 8 |
| <a href="#">2084272M5701(R)</a>                    | South Africa (Type M)                          | South Africa SABS164-1 (16A type)                      | IEC 320/C13 | 2500 | 8 |
| <a href="#">23214272M5701(R)</a>                   | Switzerland (Type J)                           | SEV 1011                                               | IEC 320/C13 | 2500 | 8 |
| <a href="#">3003322M5701(R)</a>                    | Taiwan (Type B)                                | BSMI                                                   | IEC 320/C13 | 2500 | 8 |
| <a href="#">PZ0800100-2M5BK13H(R)</a>              | UK, Hong Kong, Singapore, Gulf States (Type G) | BS 1363A                                               | IEC 320/C13 | 2500 | 8 |
| <a href="#">7055002M5701A(R)</a>                   | International                                  | IEC 320 C14-C13                                        | IEC 320/C13 | 2500 | 8 |

|                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |       |
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|                                                                                                                             | Model No. GTM96900P9024-T3Z                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |       |
|                                                                                                                             | Part No./Ordering No. TR9CI3750T00IMR6BLPS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Rev D |

## OUTPUT CORD AND CONNECTOR: T00/C19196

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

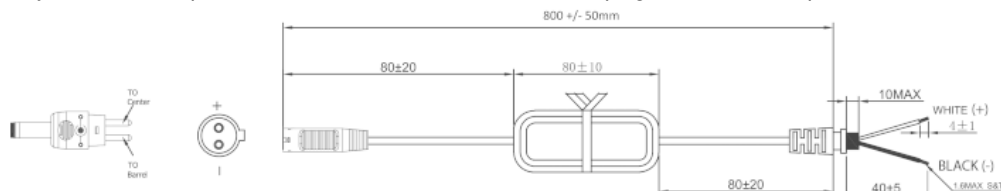
|                                                 |                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CABLE TYPE                                      | Round Black                                                                                                                                                                                                                                                                                                                                                      |
| CABLE LENGTH (mm)                               | 800                                                                                                                                                                                                                                                                                                                                                              |
| CABLE TOLERANCE (mm)                            | ± 50                                                                                                                                                                                                                                                                                                                                                             |
| WIRE GAUGE (AWG)                                | 16                                                                                                                                                                                                                                                                                                                                                               |
| CONDUCTORS                                      | 2                                                                                                                                                                                                                                                                                                                                                                |
| HANK DIMENSION (mm)                             | 80 ± 10                                                                                                                                                                                                                                                                                                                                                          |
| CABLE / CONNECTOR OVERMOLD COLOR                | GlobTek Black                                                                                                                                                                                                                                                                                                                                                    |
| FERRITE TYPE / DIMENSION                        | None                                                                                                                                                                                                                                                                                                                                                             |
| FERRITE # OF TURNS <a href="#">(Definition)</a> | N/A                                                                                                                                                                                                                                                                                                                                                              |
| FERRITE DIMENSION FROM STRAIN RELIEF            | N/A                                                                                                                                                                                                                                                                                                                                                              |
| FERRITE DIMENSION FROM PLUG                     | N/A                                                                                                                                                                                                                                                                                                                                                              |
| PLUG TYPE                                       | T-plug system (includes 5.5x2.5, 5.5x2.1, 3.5x1.3mm plugs in each kit)                                                                                                                                                                                                                                                                                           |
| OUTPUT CONNECTOR SEX                            |                                                                                                                                                                                                                                                                                                                                                                  |
| OVERMOLDED                                      | No                                                                                                                                                                                                                                                                                                                                                               |
| OVER MOLD ORIENTATION                           | Straight                                                                                                                                                                                                                                                                                                                                                         |
| CONNECTOR PIN OUT:                              | Polarity Configuration T00 All plugs are Medical Grade, Locking, Polarized once installed, and single use only.<br>Product demonstration link:<br><a href="https://en.globtek.com/news/t00-changeable-output-plug-system-for-power-supplies">https://en.globtek.com/news/t00-changeable-output-plug-system-for-power-supplies</a><br>MOLDED CONNECTORS AVAILABLE |

### ADDITIONAL REQUIREMENTS

This novel system allows for rapid shipment of prototype samples or small quantities of common output voltage and current which can fulfill the needs of most common barrel plug specs. The table below explains the standard and non standard options available as part of this system. This system also allows for both Center Positive and Center Negative polarity.

The T00 plug and adapters are Medical Grade, single use only, Polarized after installation, and not removable without use of special tool.

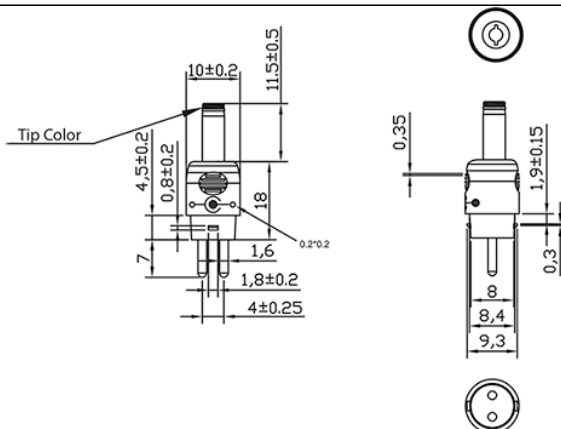
Any of the below options, and more, are available as molded plugs from stock or special order. Please contact GlobTek for more information.



### PROPRIETARY INFORMATION

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|                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |       |
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|                                                                                                                             | Model No. GTM96900P9024-T3Z                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |       |
|                                                                                                                             | Part No./Ordering No. TR9CI3750T00IMR6BLPS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Rev D |



| Part #         | CROSS REFERENCE    | OUTER DIAMETER | INNER DIAMETER | PIN LENGTH | FORM FACTOR  | MALE/FEMALE | INCLUDED IN T00 KIT | TIP COLOR |
|----------------|--------------------|----------------|----------------|------------|--------------|-------------|---------------------|-----------|
| T-K-11-S(R)    | Philmore® 204/2049 |                | 3.5            | 1.3-       | 11STRAIGHT   | Female      | x                   | Blue      |
| T-EJ2-95-S(R)  | Philmore® 240 plug |                | 4              | 1.7-       | 9.5STRAIGHT  | Female      | Order Separately    | Brown     |
| T-EJ3-95-S(R)  | Philmore® 275 plug |                | 4.75           | 1.7-       | 9.5STRAIGHT  | Female      | Order Separately    | Red       |
| T-C-95-S(R)    | Switchcraft® 722A  |                | 5.5            | 2.1-       | 9.5STRAIGHT  | Female      | Order Separately    | Yellow    |
| T-C-12-S(R)    | Switchcraft® 722A  |                | 5.5            | 2.1-       | 12STRAIGHT   | Female      | x                   | Yellow    |
| T-L-95-S(R)    | Switchcraft® 712A  |                | 5.5            | 2.5-       | 9.5STRAIGHT  | Female      | Order Separately    | Black     |
| T-L-12-S(R)    | Switchcraft® 712A  |                | 5.5            | 2.5-       | 12STRAIGHT   | Female      | x                   | Black     |
| T-EJ4-95-S(R)  | Philmore® 255 plug |                | 5.5            | 3.3 1      | 9.5STRAIGHT  | Female      | Order Separately    | Orange    |
| T-EJ1-95-S(R)  | Philmore 235 plug  |                | 2.35           | 0.7        | 9.5STRAIGHT  | Female      | Order Separately    | Yellow    |
| T-EJ5-115-S(R) | Philmore 265 plug  |                | 6.5            | 6 1        | 11.5STRAIGHT | Female      | Order Separately    | Black     |

**STRAIGHT Female Barrels are available in length of 9mm-14mm**

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/>

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

|                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |       |
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|                                                                                                                             | Model No. GTM96900P9024-T3Z                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |       |
|                                                                                                                             | Part No./Ordering No. TR9CI3750T00IMR6BLPS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Rev D |

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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| GlobTek, Inc.<br>www.globtek.com<br>186 Veterans Drive,<br>Northvale, NJ 07647<br>Tel. (201) 784-1000<br>Fax (201) 784-0111 | Drawing Title: GTM96900P9024-T3Z, ITE / Medical Power Supply/Class 2/Household Power Supply, Efficiency Level: VI, Case Color/Style: GlobTek Black, Desktop/External, Regulated Switchmode AC-DC Power Supply AC Adaptor, Input Rating: 100-240V~, 50-60Hz, IEC 60320/C14 , Output Rating: 90W, 24V@3.75A, Output Configuration: 800 mm, 16/2 Cond, Round Black, T-plug system (includes 5.5x2.5, 5.5x2.1, 3.5x1.3mm plugs in each kit), Ferrite: None, GlobTek Black, GT Cord # C19196, Pin Out: Polarity Configuration T00 All plugs are Medical Grade, Locking, Polarized once installed, and single use only. Product demonstration link: <a href="https://en.globtek.com/news/t00-changeable-output-plug-system-for-power-supplies">https://en.globtek.com/news/t00-changeable-output-plug-system-for-power-supplies</a> MOLDED CONNECTORS AVAILABLE, Blades/Input Cord: Not Applicable, Approvals: CB 61347; RCM; LPS; CCC; Patent US9838207B2; VCCI; EAC; IP41; cETLus; UL 1310; cETLus; Singapore (12V); 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;<br>Model No. GTM96900P9024-T3Z<br>Part No./Ordering No. TR9CI3750T00IMR6BLPS<br>Rev D |
|-----------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

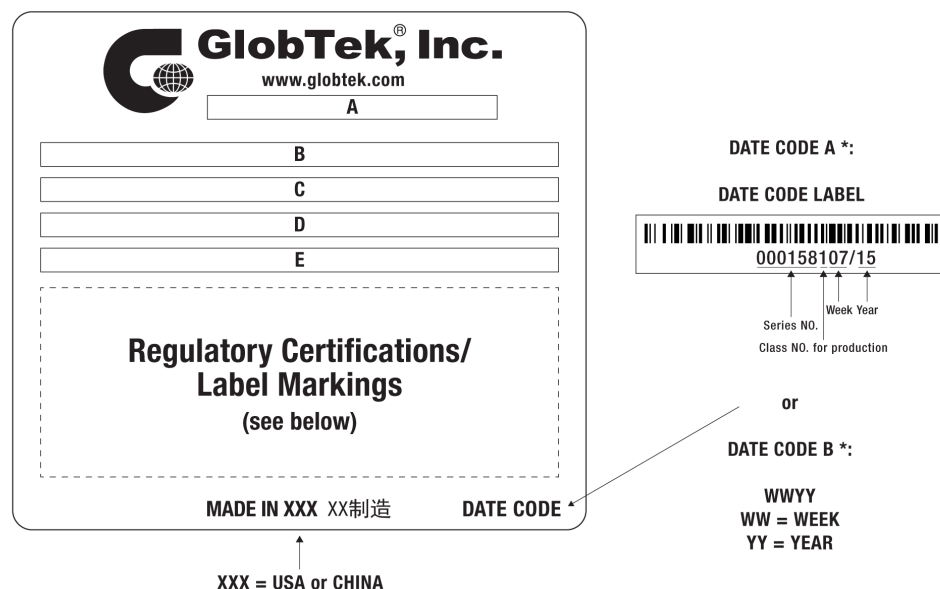
# LABEL:L-1186

|                                 |                                                                                                                                           |
|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| 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: |                                                                                                                                           |

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/Class 2/Household Power Supply  
B=P/N: (料号) TR9CI3750T00IMR6BLPS  
C=Model (型号) GTM96900P9024-T3Z  
D=Input (输入) 100-240V~, 50-60Hz, 1.5A  
E=Output (输出) 24 V  $\equiv$  3.75 A, 90.0W

## PROPRIETARY INFORMATION

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| GlobTek, Inc.<br>www.globtek.com<br>186 Veterans Drive,<br>Northvale, NJ 07647<br>Tel. (201) 784-1000<br>Fax (201) 784-0111 | Drawing Title: GTM96900P9024-T3Z, ITE / Medical Power Supply/Class 2/Household Power Supply, Efficiency Level: VI, Case Color/Style: GlobTek Black, Desktop/External, Regulated Switchmode AC-DC Power Supply AC Adaptor, Input Rating: 100-240V~, 50-60Hz, IEC 60320/C14 , Output Rating: 90W, 24V@3.75A, Output Configuration: 800 mm, 16/2 Cond, Round Black, T-plug system (includes 5.5x2.5, 5.5x2.1, 3.5x1.3mm plugs in each kit), Ferrite: None, GlobTek Black, GT Cord # C19196, Pin Out: Polarity Configuration T00 All plugs are Medical Grade, Locking, Polarized once installed, and single use only. Product demonstration link: <a href="https://en.globtek.com/news/t00-changeable-output-plug-system-for-power-supplies">https://en.globtek.com/news/t00-changeable-output-plug-system-for-power-supplies</a> MOLDED CONNECTORS AVAILABLE, Blades/Input Cord: Not Applicable, Approvals: CB 61347; RCM; LPS; CCC; Patent US9838207B2; VCCI; EAC; IP41; cETLus; UL 1310; cETLus; Singapore (12V); 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;<br>Model No. GTM96900P9024-T3Z<br>Part No./Ordering No. TR9CI3750T00IMR6BLPS |
|                                                                                                                             | Rev D                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

#### AGENCY ONLINE DOCUMENTS

CE EC-Declaration for Medical [http://globtek.force.com/models/ec\\_declaration?id=a0Oa000000MjSZHEA3](http://globtek.force.com/models/ec_declaration?id=a0Oa000000MjSZHEA3)  
CE EC-Declaration for Industrial/Commercial/ITE [http://globtek.force.com/models/ec\\_declaration?id=a0Oa000000MjSZHEA3](http://globtek.force.com/models/ec_declaration?id=a0Oa000000MjSZHEA3)  
CE EC-Declaration for Household [http://globtek.force.com/models/ec\\_declaration?id=a0Oa000000MjSZHEA3](http://globtek.force.com/models/ec_declaration?id=a0Oa000000MjSZHEA3)  
RoHS/RoHS3 Declaration [https://www.globtek.com/pdf/rohs\\_cert/01t0c000008IEL1AAM](https://www.globtek.com/pdf/rohs_cert/01t0c000008IEL1AAM)  
REACH Declaration [https://www.globtek.com/pdf/iso\\_certificates/REACH.pdf](https://www.globtek.com/pdf/iso_certificates/REACH.pdf)  
Conflict Minerals Declaration <https://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/a0Oa000000MjSZH>

AGENCY ONLINE DOCUMENTS: <http://www.globtek.info/certs/GTM96900P90VV.V/>



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



Polarity Configuration T00 All plugs are Medical Grade, Locking, Polarized once installed, and single use only.  
Product demonstration link: <https://en.globtek.com/news/t00-changeable-output-plug-system-for-power-supplies>  
MOLDED CONNECTORS AVAILABLE

|                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
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|                                                                                                                             | Model No. GTM96900P9024-T3Z                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|                                                                                                                             | Part No./Ordering No. TR9CI3750T00IMR6BLPS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|                                                                                                                             | Rev D                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

## PACKAGING

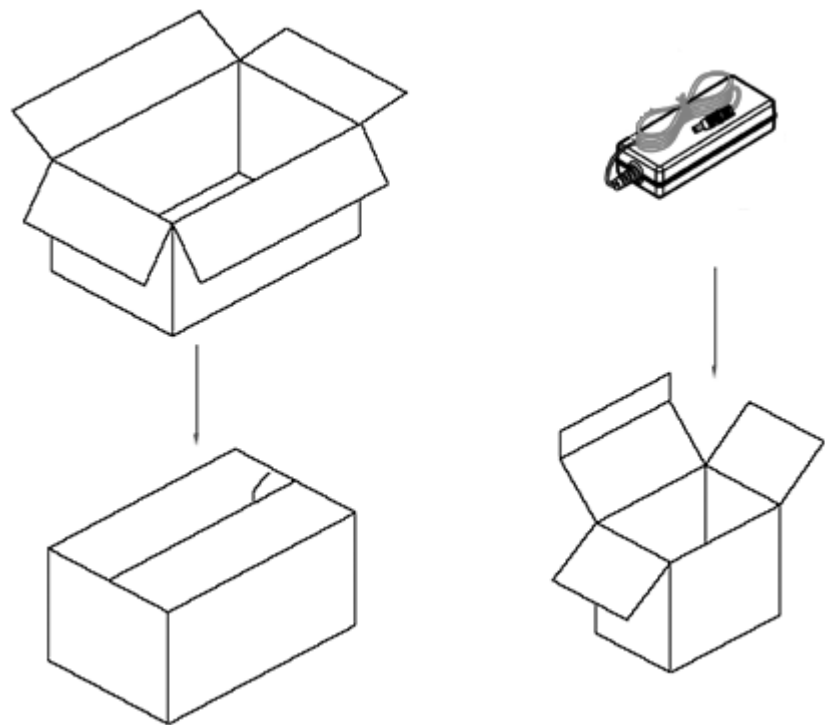
|                                  |                                                                                                                     |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------|
| Packing Spec P/N:                | Standard DT, Individually Box, GT User Manual                                                                       |
| Box Qty:                         | 20                                                                                                                  |
| Gift Box Size (mm):              | Egg Crate                                                                                                           |
| Gift Box Color:                  | White                                                                                                               |
| Master Carton Size (mm):         | 427 x 405 x 158                                                                                                     |
| Master Carton Cubic Volume (m³): | 0.03                                                                                                                |
| Master GW (Kg):                  | 15.6 kg                                                                                                             |
| BLADES INCLUDED:                 | N/A:                                                                                                                |
| BLADE/CORD INSTALLED:            | N/A:                                                                                                                |
| USER MANUAL:                     | 809-DESKTOPUSERMANUAL on A4 paper                                                                                   |
| USER MANUAL WEB LINK:            | <a href="https://en.globtek.com/pdf/809-DESKTOPUSERMANUA...">https://en.globtek.com/pdf/809-DESKTOPUSERMANUA...</a> |

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|                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |       |
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|                                                                                                                             | Model No. GTM96900P9024-T3Z                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |       |
|                                                                                                                             | Part No./Ordering No. TR9CI3750T00IMR6BLPS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Rev D |

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. GTM96900P9024-T3Z                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |       |
|                                                                                                                             | Part No./Ordering No. TR9CI3750T00IMR6BLPS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Rev D |

## 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 power supply 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