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| GlobTek, Inc. www.globtek.com 186 Veterans Drive, Northvale, NJ 07647 Tel. (201) 784-1000 Fax (201) 784-0111 | Drawing Title: GTM96180-1548-CF, ICT / ITE / Medical Power Supply/Class 2/Household Power Supply, Efficiency Level: USA DOE Level VI / Eco-design Directive 2009/125/EC, (EU) 2019/1782, Case Color/Style: GlobTek Black, Wall Plug-in, Regulated Switchmode AC-DC Power Supply AC Adaptor, Input Rating: 100-240V~, 50-60 Hz, Interchangeable Blades, https://www.globtek.com/interchangeable-blades.php , Output Rating: 15.00W, 48.0V@0.31A, 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, Output Configuration: 1500 mm, 18/2 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 # C3775, Blades/Input Cord: Q-Series N. American, Approvals: |
| | Model No. GTM96180-1548-CF |
| | Part No./Ordering No. WR9QX312T00NACFR6B |
| | Rev A |

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

ISO13485:2016 - Medical Devices Quality Management System Certification

ISO14001:2015 - Environmental Management System Certification

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

The acceptance of this specification and use of the product described in this document indicates the acceptance and binding of the customer to Globtek TERMS AND CONDITIONS (attached to the end of this document), which supersede all other agreements, terms, and conditions (<https://www.globtek.com/terms-and-conditions/>).

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

Footnote:

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

Limitation of Use:

GlobTek products are intended for use with commercial, medical, and/or industrial equipment only. GlobTek product are not authorized for use as mission critical components in life support hazardous environment, nuclear or aircraft applications without prior written approval from the CEO of GlobTek Inc.

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

Customer Approval of Specification:

Please approve, sign and send back to GlobTek so we can complete order processing.
A delay in receipt of this form will delay delivery schedule.

Company Name:

Customer P/N:

Quote Number:

Date:

Authorized Representative Name:

Authorized Representative Signature:

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REVISION HISTORY

| REV | DESCRIPTION | SUB | DATE | APPROVED |
|-----|-----------------|--------|------------|----------|
| A | Initial release | krakoM | 12/26/2019 | QA |

POWER SUPPLY INFORMATION

| | |
|--------------------------------|---|
| TYPE | Wall Plug-in |
| TECHNOLOGY | Regulated Switchmode AC-DC Power Supply AC Adaptor |
| CASE COLOR | GlobTek Black |
| NAMEPLATE RATED INPUT | 100-240V~, 50-60 Hz, 0.6 A |
| INPUT CONFIG | Interchangeable Blades |
| WATTS | 15.00 |
| VOLTS OUT | 48.0 |
| CURRENT OUT (Amps) | 0.31 |
| BLADE/CORD INCLUDED | Q-NA(R) Q-Series N. American |
| BLADE/CORD INSTALLED | Q-NA(R) Q-Series N. American |
| INGRESS PROTECTION | IP42 (Optional IP54-IP55) |
| GROUNDING CONFIGURATION | (F1) Floating output, Class II / double insulated |
| EFFICIENCY LEVEL | USA DOE Level VI / Eco-design Directive 2009/125/EC, (EU) 2019/1782 - Europe Code of Conduct on Energy Efficiency of External Power Supplies - Version 5 |
| OUTPUT CONFIGURATION | 1500 mm, 18/2 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 # C3775 |
| OVERMOLDED | Yes |
| OUTPUT CONNECTOR GENDER | not applicable |
| CONNECTOR 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 |
| LABEL SPECS | ISO 15223 medical device compliant label,L-1470 |
| SPECIAL BARCODE LABEL MATERIAL | No |
| PACK SPEC | Packing for Wall plug model with T00 plug and manual |
| USER MANUAL | 809-PSUQKITUSERMANUAL on A4 paper |

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

DIMENSIONS ARE IN MM UNLESS SPECIFIED OTHERWISE

Packing bag includes three tips.

1.T-C-12-S(R)Â

2.T-L-12-S(R)

3.T-K-11-S(R)

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ELECTRICAL SPECIFICATIONS

Input

| | |
|----------------------|--|
| Input Voltage: | Specified: 90-264VAC, Nameplate: 100-240VAC 100% rated load current for 90-264VAC 85% rated load current for 85-264VAC 100% rated load current for 110-370VDC |
| Input Frequency: | Specified: 47-63Hz, Nameplate: 50-60Hz |
| No Load Input Power: | <75mW @ 230VAC (EU CoC Tier 2 compliant) |
| Inrush Current: | 30A/60A maximum, cold start @ 115VAC/230VAC input, respectively |
| Efficiency: | DoE Level VI compliant, EU CoC Tier 2 compliant |

Output

| | |
|---------------------|---|
| Turn-on Delay: | 1 second max. @ nominal line and full load |
| Output Regulation | ± 5% max. (measured at the output connector) |
| Line Regulation: | ± 0.5% typ. (measured at the output connector, full load) |
| Ripple: | 1% or 100mV, whichever is greater (measured using a 47µF low-ESR cap + 0.1µF ceramic capacitor, measured @ 20MHz BW, at output connector) |
| Transient Response: | 5% max. deviation (with 40-70% load step), 1ms typ. recovery time |
| Hold-up Time: | 8ms typ. @ nominal line and full load |
| Power On Indicator: | Green LED |

Protections

| | |
|---------------------------|---|
| Input Protection: | MOV transient suppressor, input line fusing |
| Over-Voltage Protection: | 110-130% of nominal output voltage |
| Short-Circuit Protection: | Auto-restart |
| Over-Current Protection: | 110-160% of rated output current (Current limit range is determined by normal output power rating, not derated power level) |

Environmental

| | |
|------------------------|---|
| MTBF: | 1,500,000 hours @ 25°C ambient, full load (Telcordia SR-332, Issue 3) -20°C to 40°C (full load) |
| Operating Temperature: | See derating table for output power capability at other temperatures. Extended low temperature range available as a custom option. |
| Storage Temperature: | -30°C to 80°C |
| Humidity: | 0% to 95% relative humidity, non-condensing |

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| Altitude: | 5000m |
| Ingress protection: | IP42 standard, IP52 available as a special option |
| Cooling: | Convection |
| RoHS: | Complies with EU 2011/65/EU amended by EU 2015/863 and China SJ/T 11363-2006 |

Safety

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|---|--|
| Dielectric Withstand Voltage: | 4000VAC or 5656VDC from input to output 3000VAC or 4242VDC from input to earth (Class I models) |
| Touch Current: | Class I models: < 20uA Class II models: <75uA |
| Earth Leakage Current: | Class I models: <300uA Class II models: N/A |
| Isolation Options: | Floating output or Class I earthed output (desktop models) |
| Earth Continuity Test: | < 0.1 ohm between AC inlet earth pin and PCB termination point |
| Means of Protection (Primary-to-Secondary): | 2 x MOPP |
| Compliant Standards: | See listing at the end of this document. |

EMC

| | |
|--|--|
| Applicable Standards: | Medical: EN60601-1-2, 4th edition Emissions: EN55032, EN61000-6-3, EN61000-6-4 Immunity: EN55024, EN61000-6-1, EN61000-6-2 |
| Conducted Emissions: | Class B, FCC Part 15, Class B (with resistive load) |
| Radiated Emissions: | Class B, FCC Part 15, Class B (with resistive load) |
| Harmonic Current Voltage Distortion: | EN61000-3-2, Class A |
| Voltage Fluctuations/Flicker: | EN61000-3-3 |
| Electrostatic Discharge (ESD) Immunity: | EN61000-4-2, 8KV contact discharge, 20KV 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, 30A/m |
| Voltage Dip Immunity: | EN61000-4-11 |

Enclosure

| | |
|------------------------------|---|
| Housing: | High impact plastic, 94V0 polycarbonate, non-vented |
| AC Input Mechanical Options: | Wall plug-in, changeable blades (Class II only) Desktop housing, extended housing: C6, C8, C14, or C18 IEC inlet (Class I or Class II) |
| Markings: | Label or laser printed |

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Special Options

1. Removal of LED (optional)
2. Custom cord-sets (custom cord and/or connector types). Note: 5VDC USB power supplies with Micro-B or Type-C connectors have a voltage regulation specification of $\pm 8\%$ (4.6V to 5.4V).
3. Custom markings
4. Short term output surge capability
5. Reduced leakage current versions (10uA max) for Type-CF medical applications and/or for AC noise sensitive equipment. (15W or less, 5 to 24V output voltage range.)
6. Tightened output voltage tolerance
7. Reduced output voltage ripple
8. Improved reliability PCB laminate with plated-through-holes for IPC610 Class 2 compliance
9. Custom housing colors
10. Quasi constant-current output for SLA (lead-acid) battery charging applications

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

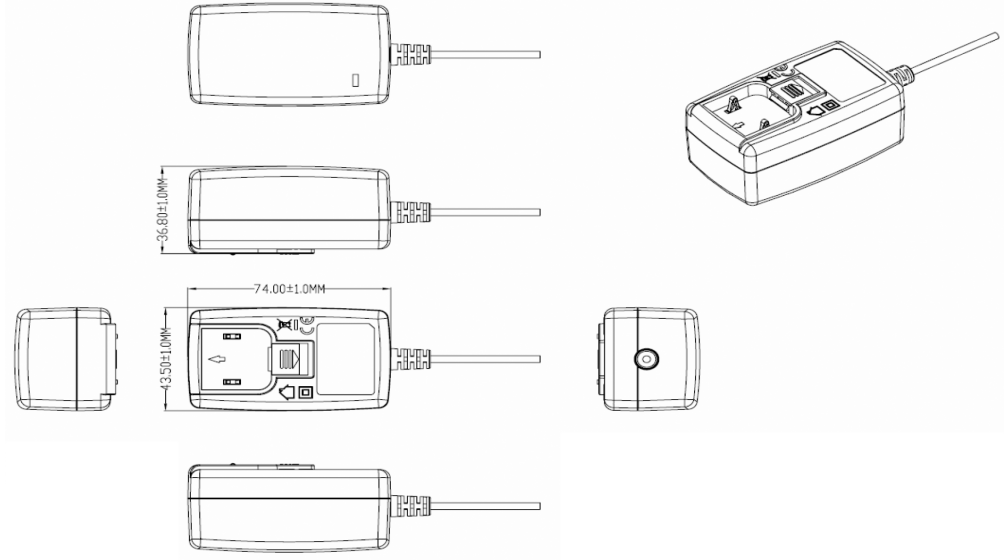
FOR ADDITIONAL INFORMATION, PLEASE READ OUR WHITE PAPER AT: <https://r.globtek.info/3QeaqtD>

INGRESS PROTECTION: IP42 (Optional IP54-IP55)

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3D File Download [https://www.globtek.com/dl/GTM96180-WALL-PLUG%20\(5\).igs](https://www.globtek.com/dl/GTM96180-WALL-PLUG%20(5).igs)

Mechanical drawing



LED INDICATOR: Green Power ON indicator LED standard. May be ordered without LED as an option.

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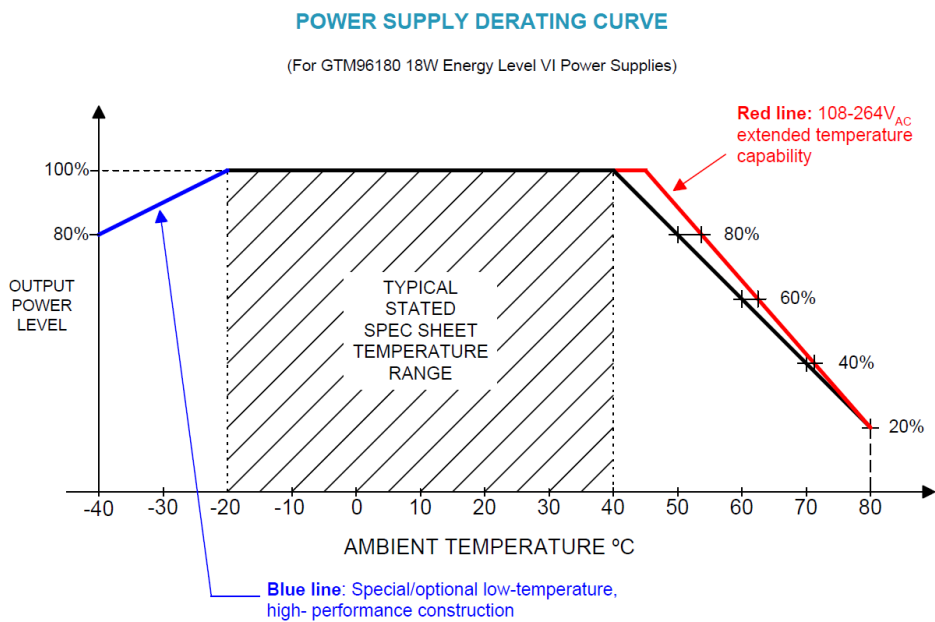
Product Image

Web Overview

https://www.globtek.com/_0/WR9QX312T00NACFR6B/o

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DERATING CURVE



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INPUT CONFIGURATION

(F1) Floating output, Class II / double insulated



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

Blades/Cord Included:Q-NA(R)Q-Series N. American
Blades/Cord Installed:Q-NA(R)Q-Series N. American

Q Blades (Interchangeable)
Blade Options for Q Series Wall Plug-in Power Supplies

Data Sheet: <http://en.globtek.com/interchangeable-blades.php>
Insertion Instructions: <http://www.globtek.com/pdf/Instructions-Interchangeable-Blades.pdf>
Video: [Q-Blade Style Instruction Video](#)

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| | <p>Part No./Ordering No. WR9QX312T00NACFR6B</p> |
| | <p>Rev A</p> |



INPUT CONNECTOR: Q-Socket (below are available blades configurations which are "not included" (unless stated above); can be purchased separately, package with power supply or as a separate "Q-KIT" if specified

01. United States / Canada / Japan NEMA 1-15P/ IEC PLUG Type A [WORKS IN PLUG B] configuration: NA 2 blades, Class II; US/CA/JP P/N: Q-NA(R)
02. Australian AS 3112 configuration: SAA 2 blade/ IEC TYPE I, Class II; AU P/N: Q-SAA(R)
03. UK BS 1363 configuration: UK 3 blade with dummy Ground/ IEC TYPE G, Class II; GB P/N: Q-UK(R)
04. European CEE 7/16 configuration: Europlug 2 pins/ IEC TYPE C [WORKS IN TYPE E&F], Class II; EU P/N: Q-EU(R)
05. Korean KS C8305 configuration: 2 pins/SIMILAR TO IEC TYPE C, Class II; KR P/N: Q-KR(R)
06. Argentina IRAM 2073 configuration: 2 blades/SIMILAR TO IEC TYPE I; AR P/N: Class II Q-AR(R)
07. China GB 2099 configuration: 2 blades/SIMILAR TO TYPE A, Class II; CN P/N: Q-CN(R)
08. India IS 1293 6A/BS546 configuration: 5A, 3 pins with Dummy Ground, Class II/IEC TYPE D; IN P/N: Q-IN(R)
09. IEC60320/C18 Inlet, Class II; P/N: Q-C18(R)
10. Brazilian NBR6147 configuration: 2 pins, Class II;SIMILAR TO IEC TYPE C BR P/N: Q-BR(R)
11. South Africa SABS164-1 and India IS 1293, IS694, 16A type plug, 3 round prongs, Class II + dummy ground, IEC TYPE M P/N: Q-SANS164-1-16A(R)
12. South Africa SABS164-4, 3 round prongs with a notched prong @ 0°, Class II + dummy ground, IEC TYPE M Red, P/N: Q-SANS164-4C-16A(R)
13. South Africa SABS164-4, 3 round prongs with a notched prong @ -53°, Class II + dummy ground, Blue, IEC TYPE M,

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| GlobTek, Inc. www.globtek.com 186 Veterans Drive, Northvale, NJ 07647 Tel. (201) 784-1000 Fax (201) 784-0111 | Drawing Title: GTM96180-1548-CF, ICT / ITE / Medical Power Supply/Class 2/Household Power Supply, Efficiency Level: USA DOE Level VI / Eco-design Directive 2009/125/EC, (EU) 2019/1782, Case Color/Style: GlobTek Black, Wall Plug-in, Regulated Switchmode AC-DC Power Supply AC Adaptor, Input Rating: 100-240V~, 50-60 Hz, Interchangeable Blades, https://www.globtek.com/interchangeable-blades.php , Output Rating: 15.00W, 48.0V@0.31A, 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, Output Configuration: 1500 mm, 18/2 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 # C3775, Blades/Input Cord: Q-Series N. American, Approvals: | |
| | Model No. GTM96180-1548-CF | |
| | Part No./Ordering No. WR9QX312T00NACFR6B | Rev A |

P/N:
Q-SANS164-4L-16A(R)
14. South Africa SABS164-4, 3 round prongs with a notched prong @ +53°, Class II + dummy ground, Black,IEC TYPE M
P/N:
Q-SANS164-4R-16A(R)

Kits

01. Q-KIT: 1,2,3,4 above
02. Q-KIT-INTL: 2,3,4 above
03. Q-KIT-6: 1,2,3,4,5,6 above
04. Q-KIT-7: 1,2,3,4,5,6,7 above
05. Q-KIT-8: 1,2,3,4,5,6,7,8 above

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OUTPUT CORD AND CONNECTOR: T00/C3775

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

| | |
|--|--|
| CABLE TYPE | Round Black |
| CABLE LENGTH (mm) | 1500 |
| CABLE TOLERANCE (mm) | ± 50 |
| WIRE GAUGE (AWG) | 18 |
| CONDUCTORS | 2 |
| HANK DIMENSION (mm) | 80 ± 10 |
| CABLE / CONNECTOR OVERMOLD COLOR | GlobTek Black |
| FERRITE TYPE AND DIMENSION | None |
| FERRITE NUMBER OF TURNS (Definition) | 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 GENDER | not applicable |
| OVERMOLDED | Yes |
| OVER MOLD ORIENTATION | Straight |
| CONNECTOR 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 |
| ADDITIONAL REQUIREMENTS | UL1310 Warning Label Up To 36 Volts with plugs |

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.

| | |
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|---|---|

Cable OD 4.8 ± 0.15 mm

Individual conductor (Black & White) OD value of this 18 AWG cable is 2.0 ± 0.1 mm

Option upon request: STRAIGHT Female Barrels are available for special order in any length between 9mm-14mm

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 as well as male plug specs. The table 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

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| | Part No./Ordering No. WR9QX312T00NACFR6B | Rev A |

| Part # | CROSS REFERENCE | OUTER DIAMETER | INNER DIAMETER | PIN | LENGTH | FORM FACTOR | MALE/FEMALE | INCLUDED IN T00 KIT | TIP COLOR | BUY NOW |
|--------------------|-------------------------|----------------|----------------|--------|--------|-------------|-------------|---------------------|-----------|-------------------------|
| T-K-11-S(R) | Philmore® 204/2049 | 3.5 | | 1.3 - | 11 | STRAIGHT | Female | x | Blue | BUY NOW |
| T-EJ2-95-S(R) | Philmore® 240 plug | 4 | | 1.7 - | 9.5 | STRAIGHT | Female | Order Separately | Brown | BUY NOW |
| T-EJ3-95-S(R) | Philmore® 275 plug | 4.75 | | 1.7 - | 9.5 | STRAIGHT | Female | Order Separately | Red | BUY NOW |
| T-C-95-S(R) | Switchcraft® 722A | 5.5 | | 2.1 - | 9.5 | STRAIGHT | Female | Order Separately | Yellow | BUY NOW |
| T-C-12-S(R) | Switchcraft® 722A | 5.5 | | 2.1 - | 12 | STRAIGHT | Female | x | Yellow | BUY NOW |
| T-L-95-S(R) | Switchcraft® 712A | 5.5 | | 2.5 - | 9.5 | STRAIGHT | Female | Order Separately | Black | BUY NOW |
| T-L-12-S(R) | Switchcraft® 712A | 5.5 | | 2.5 - | 12 | STRAIGHT | Female | x | Black | |
| T-EJ4-95-S(R) | Philmore® 255 plug | 5.5 | | 3.3 1 | 9.5 | STRAIGHT | Female | Order Separately | Orange | BUY NOW |
| T-EJ1-95-S(R) | Philmore® 235 plug | 2.35 | | 0.7 | 9.5 | STRAIGHT | Female | Order Separately | Yellow | BUY NOW |
| T-3.2-0.9-9.0-S(R) | CUI PP3-017/ PP-017 | 3.2 | | 0.9 | 9 | STRAIGHT | Female | Order Separately | Black | BUY NOW |
| T-P-S-STER-14(R) | CUI SP-3501 | 3.5 - | | Stereo | 14 | STRAIGHT | Male | Order Separately | - | BUY NOW |
| T-P-S-MONO-14(R) | CUI MP3-3501 | 3.5 - | | Mono | 14 | STRAIGHT | Male | Order Separately | - | BUY NOW |
| T-S-S-MONO-11(R) | CUI MP3-2501 | 2.5 - | | Mono | 11 | STRAIGHT | Male | Order Separately | - | BUY NOW |
| T-S-S-STER-11(R) | CUI SP-25401 | 2.5 - | | Stereo | 11 | STRAIGHT | Male | Order Separately | - | BUY NOW |
| T-EJ5-115-S(R) | SCHURTER 4840.1230 | 6.5 | | 1 1 | 11.5 | STRAIGHT | Male | Order Separately | Black | BUY NOW |
| T-USB-TYPE-C(R) | USBC | -- | -- | -- | 6.65 | STRAIGHT | Male | Order Separately | | BUY NOW |
| T-L-LKWG-S(R) | KYCON KLDX-PA-0202-B-LT | 5.5 | | 2.5 -- | 9.5 | STRAIGHT | Female | Order Separately | Black | BUY NOW |

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|---|-----|--------|--------------|--------|------------------|-------|-------------------------|
| T-C-S-LKWG-S(R) KYCON KLDX-PA-0202-A-LT | 5.5 | 2.1 -- | 9.5 STRAIGHT | Female | Order Separately | Black | BUY NOW |
|---|-----|--------|--------------|--------|------------------|-------|-------------------------|

ADDITIONAL OUTPUT PLUG OPTIONS ARE AVAILABLE AT <https://www.globtek.com/en/connectors>
STANDARD PLUGS AND CONNECTORS CAN BE SEEN ONLINE AT <https://www.globtek.com/en/connectors>
CALCULATE VOLTAGE REGULATION/DROP WITH OUR ONLINE CALCULATOR: <https://www.globtek.com/r2/PtgjL>

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OUTPUT CONNECTOR HOOK UP

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

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

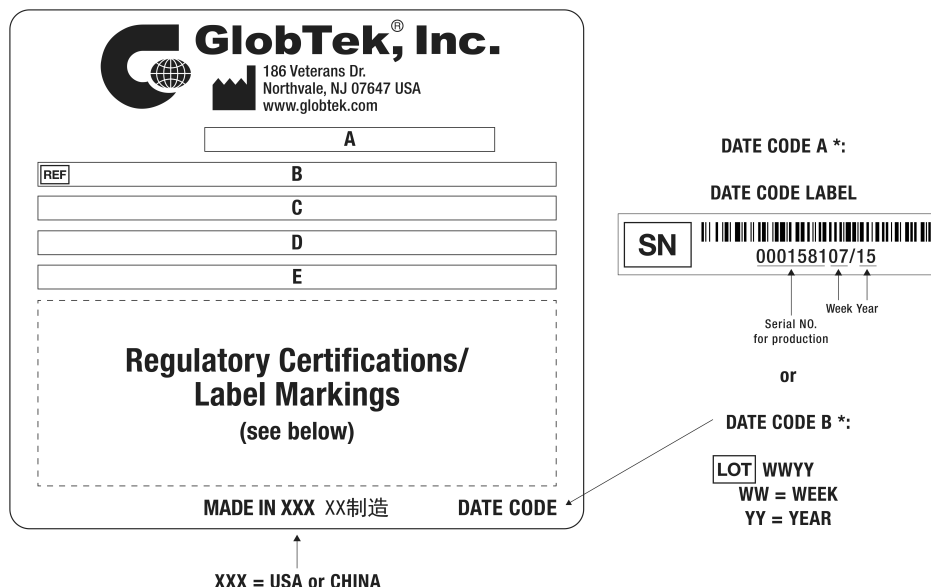
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| | Part No./Ordering No. WR9QX312T00NACFR6B Rev A |

LABEL:L-1470

| | |
|--------------------------------|--|
| LABEL P/N | ISO 15223 medical device compliant label |
| 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) | 29.8 |
| LABEL HEIGHT (mm) | 20.8 |
| SPECIAL BARCODE LABEL MATERIAL | No |

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

Agency logos may be in Regulatory Certifications/Label Markings 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 in the case.



A=ICT / ITE / Medical Power Supply/Class 2/Household Power Supply

B=P/N: (料号) WR9QX312T00NACFR6B

C=Model (型号) GTM96180-1548-CF

D=Input (输入) 100-240V~, 50-60 Hz, 0.6 A

E=Output (输出) 48.0 V 0.31 A, 15.00W

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| AGENCY ONLINE DOCUMENTS | http://www.globtek.info/certs/GTM96180/ |
| CE EC-Declaration for Medical | https://cs.globtek.info/ec_declaration_product?id=01t3a000004eTs8&m=1 |
| CE EC-Declaration for Industrial/Commercial/ITE | https://cs.globtek.info/ec_declaration_product?id=01t3a000004eTs8&i=2 |
| CE EC-Declaration for Household | |
| UKCA-Declaration for Medical | https://cs.globtek.info/ukca_declaration_product?id=01t3a000004eTs8&m=1 |
| UKCA-Declaration for Industrial/Commercial/ITE | https://cs.globtek.info/ukca_declaration_product?id=01t3a000004eTs8&i=2 |
| UKCA-Declaration for Household | |
| Morocco SDoC Declaration | https://cs.globtek.info/Morocco_SDoC_Declaration?id=a0Oa000000MjRI5EAN |
| RoHS/RoHS3 Declaration | https://www.globtek.com/pdf/rohs_cert/01t3a000004eTs8AAE |
| REACH Declaration | https://www.globtek.com/pdf/iso_certificates/REACH.pdf |
| Conflict Minerals Declaration | https://www.globtek.com/pdf/conflict-minerals.pdf |
| Prop 65 Statement | https://www.globtek.com/prop-65-statement.pdf |

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

Regulatory Certifications/Label Markings

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

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

LATEST PRODUCT/MODEL CERTIFICATIONS: <https://www.globtek.com/ds/HAqgMxigGUh/5k3zqTfcPQm.html#datasheet>

AGENCY ONLINE DOCUMENTS <http://www.globtek.info/certs/GTM96180/>



(F1) Floating output, Class II / double insulated



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

PROPRIETARY INFORMATION

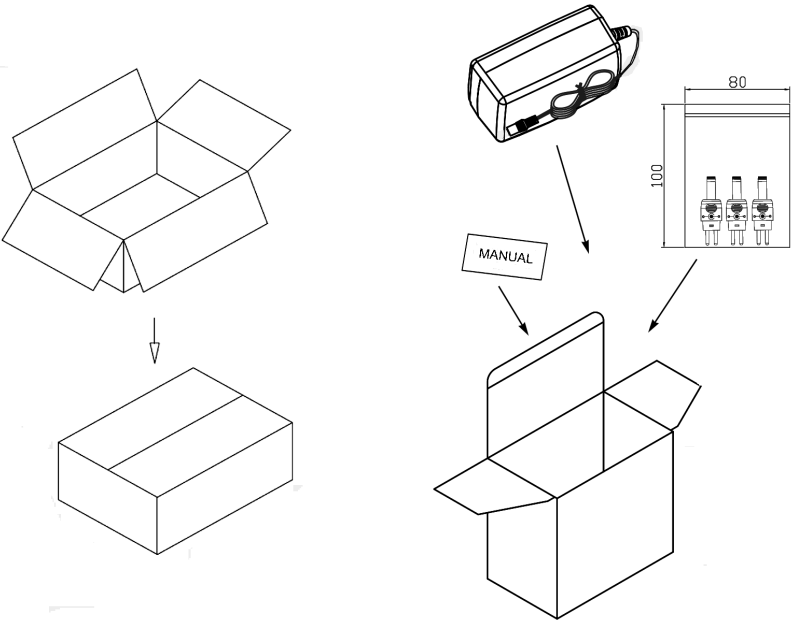
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| GlobTek, Inc. www.globtek.com 186 Veterans Drive, Northvale, NJ 07647 Tel. (201) 784-1000 Fax (201) 784-0111 | Drawing Title: GTM96180-1548-CF, ICT / ITE / Medical Power Supply/Class 2/Household Power Supply, Efficiency Level: USA DOE Level VI / Eco-design Directive 2009/125/EC, (EU) 2019/1782, Case Color/Style: GlobTek Black, Wall Plug-in, Regulated Switchmode AC-DC Power Supply AC Adaptor, Input Rating: 100-240V~, 50-60 Hz, Interchangeable Blades, https://www.globtek.com/interchangeable-blades.php, Output Rating: 15.00W, 48.0V@0.31A, 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, Output Configuration: 1500 mm, 18/2 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 # C3775, Blades/Input Cord: Q-Series N. American, Approvals: | |
| | Model No. GTM96180-1548-CF | |
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PACKAGING

| | |
|---------------------------------|---|
| Packing Spec P/N | Packing for Wall plug model with T00 plug and manual |
| Packing Quantity/Multiple/MPQ | 60 |
| Gift Box Size (mm) | 100*90*58 |
| Gift Box Color | White |
| Master Carton Size (mm) | 465 x 415 x 225 |
| Master Carton Cubic Volume (m³) | 0.04 |
| Master GW (Kg) | 13.6 kg |
| BLADES INCLUDED | Q-NA(R): Q-Series N. American |
| BLADE/CORD INSTALLED | Q-NA(R): Q-Series N. American |
| USER MANUAL* | 809-PSUQKITUSERMANUAL on A4 paper |
| USER MANUAL WEB LINK | https://www.globtek.com/pdf/809-PSUQKITUSERMANUAL.jpg |

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



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Model No. GTM96180-1548-CF

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Rev A

Manual for T00-plug:

GlobTek, Inc.
T-Tip Instructions
• Color of tip indicates dimensions of barrel
• Polarity is dependent on how tip is inserted in to T-base

| PART NO | DIAMETER | | LENGTH | TIP COLOR |
|------------------|----------|-------|--------|-----------|
| | OUTER | INNER | | |
| T-C-12-S(R) | 5.5 | 2.1 | 12 | YELLOW |
| T-L-12-S(R) | 5.5 | 2.5 | 12 | BLACK |
| T-K-11-S(R) | 3.5 | 1.3 | 11 | BLUE |
| T-EJ2-9S-S(R) | 4.0 | 1.7 | 9.5 | BROWN |
| T-EJ3-9S-S(R) | 4.75 | 1.7 | 9.5 | RED |
| T-EJ4-9S-S(R) | 5.5 | 3.3 | 9.5 | ORANGE |
| T-EJ1-9S-S(R) | 2.35 | 0.7 | 9.5 | YELLOW |
| T-EJ5-11S-S(R) | 6.5 | 6.0 | 11.5 | BLACK |
| T-P-S-STER-14(R) | 3.5 | - | 14 | - |
| T-P-S-MONO-14(R) | 3.5 | - | 14 | - |
| T-S-S-MONO-11(R) | 2.5 | - | 11 | - |
| T-S-S-STER-11(R) | 2.5 | - | 11 | - |

90mm+0/-0.2

80mm+0/-0.2

正面/SHEET A

Plugs can only be inserted one time

Molded options available upon request

90mm+0/-0.2

80mm+0/-0.2

反面/SHEET B

字体/字号
Arial Bold/18pt

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INSTRUCTIONS TO THE OEM SYSTEMS ENGINEER

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

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

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

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

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INSTRUCTION SHEET

Q Blades Instruction Sheet (not required to be packaged with product)

Insertion Instructions: <http://www.globtek.com/pdf/Instructions-Interchangeable-Blades.pdf>

This manual is Provided to customer within the product specification - it is the responsibility of the OEM/customer to provide the end system user instructions + warnings for the use of this product in the end system. By accepting this specification the customer/OEM Agrees to these terms.

USER MANUAL FOR Q-BLADE SERIES SWITCHING POWER SUPPLIES

Manual del Usuario. Fuentes de Alimentación Series Q-Blade

WARNING! RISK OF FIRE! SHOCK HAZARD! To prevent electric shock, do not remove the cover. No user-serviceable parts inside. This unit contains hazardous voltages and should only be opened by a trained and qualified technician. Do not use if bent, cracked, modified or compromised. To avoid the possibility of electric shock, disconnect electric power to the product before connecting or disconnecting.

Advertencia! Riesgo de Fuego! Peligro de Choque eléctrico! No contiene dentro componentes servibles para el usuario. Desconecte el cable de alimentación antes de quitar la cubierta.

INDOOR USE ONLY!

Únicamente para uso en el interior.

POWER SUPPLY BLADE/CORD: AC Mains voltage should be provided to the power supply by a power supply cords approved to the national standards in which it will be used. Please use the below table as a guideline for Suitable Power cords.

CABLE DE ALIMENTACIÓN: El voltaje de la CA debe proporcionarse a la fuente de alimentación mediante los cables de alimentación aprobados conforme a las normas nacionales según las cuales será utilizada. Utilice por favor la tabla mencionada aquí abajo como guía para los cables eléctricos adecuados.

1. Class II model NEMA 1-15P AC power plug with 2 prongs, Q-NA(R)
2. Australian AS 3112 configuration: SAA 2 pins Class II, Q-SAA(R)
3. UK BS 1363 configuration: UK 2 pins Class II, Q-UK(R)
4. European CEE 7/16 configuration: Europlug 2 PINS, Class II, Q-EU(R)
5. Korean KS C8305 configuration: Q-KR(R)
6. Argentina IRAM 2073 configuration: 2 pins, Class II Q-AR(R)
7. China GR 2099 configuration: 2 pins, Class II Q-CN(R)
8. India configuration: 2 pins, Class II, Q-IN(R)
9. IEC320/C18 Inlet

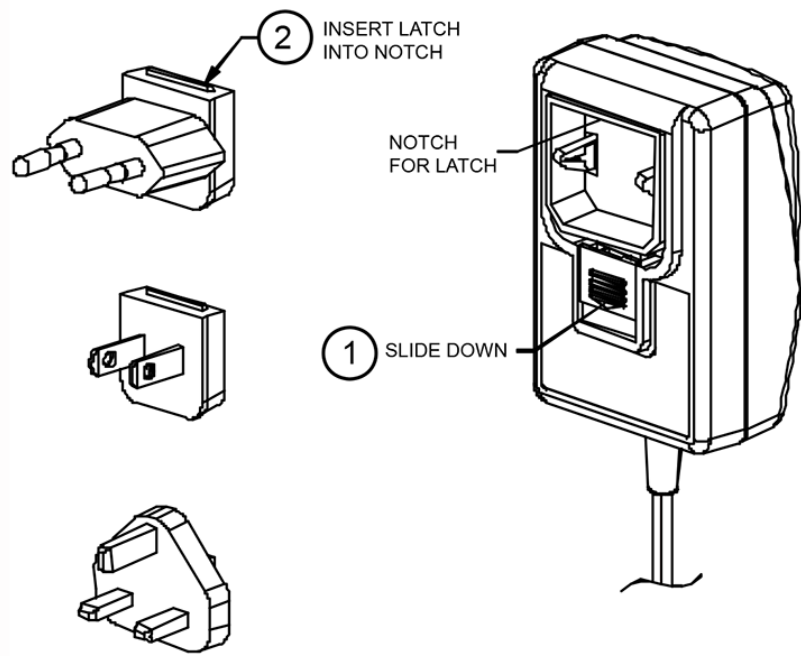
PROPRIETARY INFORMATION

PROPRIETARY OF GLOBTEK, INC. ANY REPRODUCTION, DISCLOSURE OR USE OF THIS DRAWING, IN WHOLE OR IN PART, IS HEREBY PROHIBITED EXCEPT AS SPECIFIED IN Page 23 of 30
WRITING BY GLOBTEK, INC. © GlobTek, Inc. 2019 - 2025
quest / 05/14/2025 10:50:28 AM GMT CLONED FROM WR9QI625T00NACFR6B

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FUSING: Internal fuse for Line is provided in the power supply. A blown internal fuse is an indication of catastrophic failure of circuit component(s). Repair must be performed by GlobTek, Inc. authorized personnel. Fuses must be replaced with same type and ratings per GlobTek internal documentation.

FUSIBLES: La fuente de alimentación provee un fusible interno para la línea. Un fusible interno quemado es un indicador de una falla catastrófica de los componentes del circuito. La reparación debe ser hecha por personal autorizado de GlobTek, Inc. Los fusibles se deben reemplazar por los mismos tipos y rangos que la documentación interna de GlobTek mencione.



This symbol on an instrument indicates that the user should refer to the operating instructions located in the manual.

Please note:

The blades shown above are for representation of the installation process and do not indicate which AC blades are included with this power supply. Please reference the specifications “Power Supply Information” (page 2) and “Input Configuration (page 6) for information regarding the actual blade included with this power supply, if any.

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TERMS AND CONDITIONS

THESE TERMS AND CONDITIONS GOVERN THE SALE OF ALL PRODUCTS AND SERVICES ("PRODUCTS") BY GlobTek, Inc. ("GlobTek") AND APPLY NOTWITHSTANDING ANY CONFLICTING, CONTRARY OR ADDITIONAL TERMS AND CONDITIONS IN ANY PURCHASE ORDER OR OTHER DOCUMENT OR COMMUNICATION ("PURCHASE ORDER") FROM BUYER. THESE TERMS AND CONDITIONS MAY ONLY BE WAIVED OR MODIFIED IN A WRITTEN AGREEMENT SIGNED BY AN AUTHORIZED REPRESENTATIVE OF THE SELLER. NEITHER SELLER'S ACKNOWLEDGEMENT OF A PURCHASE ORDER NOR SELLER'S FAILURE TO OBJECT TO CONFLICTING, CONTRARY OR ADDITIONAL TERMS AND CONDITIONS IN A PURCHASE ORDER SHALL BE DEEMED AN ACCEPTANCE OF SUCH TERMS AND CONDITIONS OR A WAIVER OF THE PROVISIONS HEREOF.

ORDERS:

1. Buyer must issue a Purchase Order or otherwise place an order by means acceptable to GlobTek. Orders shall identify the Products, unit quantities, part numbers, descriptions, applicable prices, ship to address and requested delivery dates. All orders are subject to acceptance by GlobTek. No order may be cancelled or rescheduled without GlobTek's consent. Consent may be given by GlobTek in its sole discretion. GlobTek reserves the right to add a Rescheduling Fee should Seller deem applicable. Seller reserves the right to allocate sales of Products among its customers in its sole discretion.

RESTOCKING TERMS:

1. Returning of stock items only: All claims must be made within ten (10) days of receipt of goods. GlobTek must authorize all returns. No return of product will be accepted without GlobTek's Return Merchandise Authorization (RMA) number. All authorized returns will be subject to a minimum of 25% restocking charge* and buyer must pay return freight to GlobTek. Parts must be in original condition and packaging.
2. *Custom items and/or dedicated production lots are not returnable.

RETURNED MERCHANDISE:

1. Replacement or credit will not be allowed for products returned without prior consent. No return of product will be accepted without a GlobTek RMA number. RMA requests for all goods that are found to be not in compliance with Seller's specifications shall be made according to Seller's RMA procedure within thirty (30) days of invoice/shipment date and may be replaced, repaired, or credited at GlobTek's option. All RMA claims reported more than thirty (30) days after the invoice/shipment date are not eligible for return, replacement or credit at subject to GlobTek's Terms and Conditions. GlobTek will not issue credit if the Product has been altered, repaired, or opened by persons other than those authorized by GlobTek, become defective due to acts of God or negligence, become defective due to being subjected to abnormal conditions during installation, application or maintenance or if warranty has expired. Acceptance of Buyer's debit will not be made until material has been received and evaluated by the GlobTek. To determine the "Root Cause of Failure", the product may be destroyed during evaluation. If this occurs all of the above Terms and Conditions will remain in effect. All freight costs for returns, both from customer back to GlobTek and GlobTek back to customer will not be borne by GlobTek. GlobTek requires all goods to be returned freight, duty, and taxes prepaid to the location provided in the RMA authorization notification and repaired or replaced goods will be provided

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on an EX WORKS return location. GlobTek shall not be responsible, under any circumstances, for any rework or modification fee's or costs not previously authorized in writing by GlobTek. If returned goods do not match the quantity or descriptions provided in the RMA application, any non conforming goods will not be qualified for repair, return, or replacement. Goods with illegible date code/serial # information may not be eligible for repair, return, replacement

PRICES/TAXES/TARIFFS:

- Prices shall be as specified by Seller and shall be applicable for the period specified in GlobTek's quote. If no period is specified, prices shall be applicable for thirty (30) days. Notwithstanding the foregoing, prices shall be subject to increase in the event of an increase in GlobTek's costs or other circumstances beyond GlobTek's reasonable control. Prices are exclusive of taxes, impositions, tariffs, fees, and other charges, including, without limitation, sales, use, excise, value added, and ad valorem taxes, as well as tariffs of all types (including any tariffs imposed pursuant to any Section 301 Action by the United States Trade Representative) and similar taxes, fees, imposts, or charges of whatsoever kind, imposed now or in the future by any foreign or domestic governmental authority, international shipping charges, forwarding agent's and broker's fees, consular fees, document fees and import duties. If GlobTek shall be liable to collect and/or pay, or if the GlobTek shall pay, any of the foregoing, Buyer shall pay same to GlobTek in addition to the price of the Products.

TERMS OF PAYMENT:

- Payment shall be net thirty (30) days from date of invoice or as otherwise specified by GlobTek. Buyer agrees to pay the entire net amount of each invoice from Seller pursuant to the terms of each such invoice without offset or deduction. Orders are subject to credit approval by GlobTek, which may in its sole discretion at any time change the terms of Buyer's credit, require payment in cash, bank wire transfer, or by official bank check and/or require payment of any or all amounts due or to become due for Buyer's order before shipment of any or any of the Products. If GlobTek believes in good faith that Buyer's ability to make payments may be impaired or if Buyer shall fail to pay any invoice when due, GlobTek may suspend delivery of any order or any remaining balance thereof until such payment is made or cancel any order or any remaining balance thereof, and Buyer shall remain liable to pay for any Products already shipped and all Products ordered by Buyer. Buyer agrees to submit such financial information from time to time as may be reasonably requested by GlobTek for the establishment and/or continuation of credit terms. Checks are accepted subject to collection and the date of collection shall be deemed the date of payment. Any check received from Buyer may be applied by GlobTek against any obligation owing from Buyer to GlobTek, regardless of any statement appearing on or referring to such check, without discharging Buyer's liability for any additional amounts owing from Buyer to GlobTek, and the acceptance by GlobTek of such check shall not constitute a waiver of GlobTek's right to pursue the collection of any remaining balance. Buyer shall pay interest on any invoice not paid when due according to the due date at the rate of eighteen (18%) percent annually or the highest rate allowable by law. If Buyer fails to make payment when due, GlobTek may pursue any legal or equitable remedies, in which event GlobTek shall be entitled to reimbursement for costs of collection and reasonable attorneys fees.

REFUSED OR DAMAGED SHIPMENTS:

- All products returned to GlobTek due to refusal of acceptance by buyer, without GlobTek authorization, will be subject to minimum of 25% restocking charge* and buyer must pay return freight to GlobTek. Parts must be in original condition and packaging. Seller takes extra precautions to insure that shipments are made under the Highest Quality Standards. In the event a

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shipment is received in damaged condition, Buyer shall contact the carrier to submit claim, keep Products in original boxes pending carrier's inspection and place a replacement order with the Seller.

2. *Custom items and/or dedicated production lots are not returnable.

TECHNICAL ADVICE AND DATA:

1. Any technical advice offered or given in connection with the use of any goods is an accommodation to Buyer without charge and GlobTek shall have no responsibility or liability whatsoever for the content or use of such advice. Without GlobTek's prior written consent, Buyer shall not use, duplicate or disclose any technical data delivered or disclosed by GlobTek to Buyer for any purposes other than for installation, operation or maintenance of goods purchased by Buyer. Any use made of GlobTek classifications, whether it be ECCNs or any variation of Harmonized Tariff codes, is without recourse to GlobTek and at the user's risk. Export classifications are subject to change. If you export or re-export, your company, as the exporter of record, is responsible for determining the correct classification of any item at the time of export. Any export classification by GlobTek is for GlobTek's internal use only and shall not be construed as a representation or warranty regarding the proper export classification nor relied upon to make licensing determinations.

Tariff Surcharge – Section 301 and Related Import Duties

GlobTek, Inc. hereby notifies all customers that a tariff surcharge fee is applied to cover import duties and tariffs, including but not limited to those imposed under Section 301 of the U.S. Trade Act of 1974, affecting Chinese-origin goods imported into the United States between 2018 and 2025.

Customers receiving delivery from U.S.-based shipping points were and are informed of the tariff surcharge:

- At the time of quotation;
- During order entry; and
- Through routine updates issued during the order process.

Due to the volatility of tariff rates and ongoing changes in U.S. trade policy, GlobTek reserves the right to adjust the tariff surcharge fee:

- To match the current applicable tariff rates, or
- To reflect the maximum applicable tariff rate assessed on the product(s) in question, depending on the date of importation into the U.S.

By placing an order with GlobTek for goods that are produced in china built to order and imported from China, the customer expressly acknowledges and agrees to pay the applicable tariff surcharge fee. This surcharge is non-negotiable and is considered a part of the total purchase price for applicable transactions.

PROPRIETARY INFORMATION

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| <p>GlobTek, Inc. www.globtek.com 186 Veterans Drive, Northvale, NJ 07647 Tel. (201) 784-1000 Fax (201) 784-0111</p> | <p>Drawing Title: GTM96180-1548-CF, ICT / ITE / Medical Power Supply/Class 2/Household Power Supply, Efficiency Level: USA DOE Level VI / Eco-design Directive 2009/125/EC, (EU) 2019/1782, Case Color/Style: GlobTek Black, Wall Plug-in, Regulated Switchmode AC-DC Power Supply AC Adaptor, Input Rating: 100-240V~, 50-60 Hz, Interchangeable Blades, https://www.globtek.com/interchangeable-blades.php, Output Rating: 15.00W, 48.0V@0.31A, 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, Output Configuration: 1500 mm, 18/2 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 # C3775, Blades/Input Cord: Q-Series N. American, Approvals:</p> <table border="1" data-bbox="305 331 1528 405"> <tr> <td data-bbox="305 331 1386 365">Model No. GTM96180-1548-CF</td><td data-bbox="1386 331 1528 365"></td></tr> <tr> <td data-bbox="305 365 1386 405">Part No./Ordering No. WR9QX312T00NACFR6B</td><td data-bbox="1386 365 1528 405">Rev A</td></tr> </table> | Model No. GTM96180-1548-CF | | Part No./Ordering No. WR9QX312T00NACFR6B | Rev A |
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