Drawing Title: GTM96180-1307-2.0-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: 12.50W, 5.0V@2.5A, 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: 1200 mm, 16

https://en.globtek.com/news/t00-changeable-output-plug-system-for-power-supplies MOLDED CONNECTORS AVAILABLE, Output Configuration: 1200 mm, 16 (Large ground 40/0.20) OD:4.3mm/1C + Shield Cond, UL 1185, T-plug system (includes 5.5x2.5, 5.5x2.1, 3.5x1.3mm plugs in each kit), Ferrite: None, GlobTek Black, GT Cord # C27417, Blades/Input Cord: Q-Series N. American, Approvals:

Model No. GTM96180-1307-2.0-CF

Part No./Ordering No. WR9QA2500T00NACFR6B

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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:

Drawing Title: GTM96180-1307-2.0-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: 12.50W, 5.0V@2.5A, Pin Out: Polarity Configuration T00 All plugs are Medical Grade, Locking, Polarized once installed, and single use only. Product demonstration link:

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Rev A

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REV	DESCRIPTION	SUB	DATE	APPROVED
Α	Initial release	QA	05/09/2019	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	12.50
VOLTS OUT	5.0
CURRENT OUT (Amps)	2.5
LEAKAGE CURRENT	Less than 10uA (under normal condition)
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	1200 mm, 16 (Large ground 40/0.20) OD:4.3mm/1C + Shield Cond, UL 1185, T-plug system (includes 5.5x2.5, 5.5x2.1, 3.5x1.3mm plugs in each kit), Ferrite: None, GlobTek Black, GT Cord # C27417
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	Standard GT,L-1186
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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Model No. GTM96180-1307-2.0-CF

Part No./Ordering No. WR9QA2500T00NACFR6B

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)
<u>3.1-r-11-3(r)</u>

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Model No. GTM96180-1307-2.0-CF

Part No./Ordering No. WR9QA2500T00NACFR6B

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)
Operating Temperature:	-20°C to 40°C (full load)  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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Model No. GTM96180-1307-2.0-CF

Part No./Ordering No. WR9QA2500T00NACFR6B

Cooling: RoHS: Complies with EU 2  Safety  Dielectric Withstand Voltage:  Touch Current: Class I models: <7  Class I models: N/  Isolation Options: Floating output or O  Earth Continuity Test: Means of Protection (Primary-to-Secondary): Compliant Standards:  EMC  Medical: EN60601- Applicable Standards:  EMC  Medical: EN60601- Applicable Standards: Class B, FCC Part  Radiated Emissions: Class B, FCC Part  Harmonic Current Voltage Distortion: Voltage Fluctuations/Flicker: EN61000-3-2, Clas  Voltage Fluctuations/Flicker: EN61000-4-2, 8KV  Radiated RF Immunity: EN61000-4-3, 10V/ EFT/Burst Immunity: EN61000-4-4, 4KV	OuA  lass I earthed output (desktop models)
RoHS: Complies with EU 2  Safety  Dielectric Withstand Voltage: 4000VAC or 5656V 3000VAC or 4242V Class I models: <2 Class I models: <7 Class I models: <7 Class I models: <7 Class I models: <7 Class I models: <8 Class II models: N/ Isolation Options: Floating output or Class II models: N/ Isolation Options: Floating output or Class II models: N/ Isolation Options: Floating output or Class II models: N/ Isolation Options: Floating output or Class II models: N/ Isolating output or Cl	DC from input to output DC from input to earth (Class I models) DUA DUA DUA DUA DUA DUA Lass I earthed output (desktop models)
Safety  Dielectric Withstand Voltage:  Touch Current:  Class I models: <2 Class II models: <3 Class II models: <n <1="" <n="" class="" ii="" mod<="" models:="" td=""><td>DC from input to output DC from input to earth (Class I models) DUA DUA DUA DUA DUA DUA DUA Lass I earthed output (desktop models)</td></n>	DC from input to output DC from input to earth (Class I models) DUA DUA DUA DUA DUA DUA DUA Lass I earthed output (desktop models)
Dielectric Withstand Voltage:  Dielectric Withstand Voltage:  Touch Current:  Earth Leakage Current:  Earth Leakage Current:  Earth Continuity Test:  Means of Protection (Primary-to-Secondary):  Compliant Standards:  EMC  Medical: EN60601- Applicable Standards:  EMC  Medical: EN60601- Emissions: EN5502- Immunity: EN5502- Conducted Emissions:  Class B, FCC Part Radiated Emissions:  Class B, FCC Part Harmonic Current Voltage Distortion:  Voltage Fluctuations/Flicker:  EN61000-3-2, Clas Voltage Fluctuations/Flicker:  EN61000-4-2, 8KV Radiated RF Immunity:  EN61000-4-3, 10V/ EFT/Burst Immunity:  EN61000-4-6, 3VR Power Frequency Magnetic Field Immunity:  EN61000-4-11	DC from input to earth (Class I models) DuA
Dielectric Withstand Voltage:  Touch Current:  Class I models: <2 Class II models: <3 Class II models: <3 Class II models: <3 Class II models: <3 Class II models: <4 Class II models: <4 Class II models: <4 Class II models: <4 Class II models: <5	DC from input to earth (Class I models) DuA
Touch Current:  Class II models: <7 Class I models: <30 Class II models: <n (esd)="" (primary-to-secondary):="" 10v="" 30a="" 3vr="" 8kv="" at="" b,="" burst="" class="" compliant="" conducted="" continuity="" current="" dip="" discharge="" distortion:="" earth="" eft="" electrostatic="" emc="" emissions:="" en5502-="" en60601-="" en61000-3-3="" en61000-4-11<="" en61000-4-2,="" en61000-4-3,="" en61000-4-6,="" en61000-4-8,="" endicate="" fcc="" field="" flicker:="" fluctuations="" frequency="" harmonic="" i="" immunity:="" isolation="" listing="" magnetic="" means="" medical:="" of="" options:="" part="" power="" protection="" radiated="" rf="" see="" standards:="" td="" test:="" the="" voltage=""><td>ouA  OuA  lass I earthed output (desktop models)</td></n>	ouA  OuA  lass I earthed output (desktop models)
Earth Leakage Current:  Isolation Options:  Earth Continuity Test:  Means of Protection (Primary-to-Secondary):  Compliant Standards:  EMC  Medical: EN60601- Emissions: EN5502- Immunity: EN5502- Conducted Emissions:  Class B, FCC Part Radiated Emissions:  Class B, FCC Part Harmonic Current Voltage Distortion:  Voltage Fluctuations/Flicker:  EN61000-3-2, Class Voltage Fluctuations/Flicker:  EN61000-4-2, 8KV Radiated RF Immunity:  EN61000-4-3, 10V/ EFT/Burst Immunity:  EN61000-4-6, 3VR Power Frequency Magnetic Field Immunity:  EN61000-4-8, 30A/ Voltage Dip Immunity:  EN61000-4-11	lass I earthed output (desktop models)
Earth Continuity Test:  Means of Protection (Primary-to-Secondary):  Compliant Standards:  See listing at the end of the	
Means of Protection (Primary-to-Secondary):  Compliant Standards:  See listing at the enterpolar standards:  Medical: EN60601- Emissions: EN55024  Conducted Emissions:  Class B, FCC Part  Harmonic Current Voltage Distortion:  Voltage Fluctuations/Flicker:  Electrostatic Discharge (ESD) Immunity:  EN61000-4-2, 8KV  Radiated RF Immunity:  EN61000-4-3, 10V/ EFT/Burst Immunity:  EN61000-4-5, 2KV  Conducted RF Immunity:  EN61000-4-6, 3VR  Power Frequency Magnetic Field Immunity:  EN61000-4-11	A C in let a public air and DOD to make the property
EMC  Medical: EN60601- Emissions: EN5502 Immunity: EN5502 Conducted Emissions: Class B, FCC Part Radiated Emissions: Class B, FCC Part Harmonic Current Voltage Distortion: Voltage Fluctuations/Flicker: EN61000-3-2, Clas Voltage Fluctuations/Flicker: EN61000-4-2, 8KV Radiated RF Immunity: EN61000-4-3, 10V/ EFT/Burst Immunity: EN61000-4-4, 4KV Line Surge Immunity: EN61000-4-5, 2KV Conducted RF Immunity: EN61000-4-6, 3VR Power Frequency Magnetic Field Immunity: EN61000-4-8, 30A/ Voltage Dip Immunity: EN61000-4-11	AC inlet earth pin and PCB termination point
EMC  Medical: EN60601- Emissions: EN5503 Immunity: EN55024 Conducted Emissions: Class B, FCC Part Radiated Emissions: Class B, FCC Part Harmonic Current Voltage Distortion: Voltage Fluctuations/Flicker: EN61000-3-2, Class Voltage Fluctuations/Flicker: EN61000-4-2, 8KV Radiated RF Immunity: EN61000-4-3, 10V/ EFT/Burst Immunity: EN61000-4-4, 4KV Line Surge Immunity: EN61000-4-6, 3VR Power Frequency Magnetic Field Immunity: EN61000-4-11	
Applicable Standards:  Emissions: EN5503 Immunity: EN55024  Conducted Emissions:  Class B, FCC Part  Radiated Emissions:  Class B, FCC Part  Harmonic Current Voltage Distortion:  Voltage Fluctuations/Flicker:  EN61000-3-3  Electrostatic Discharge (ESD) Immunity:  EN61000-4-2, 8KV  Radiated RF Immunity:  EN61000-4-3, 10V/  EFT/Burst Immunity:  EN61000-4-4, 4KV  Line Surge Immunity:  EN61000-4-6, 3VR  Power Frequency Magnetic Field Immunity:  EN61000-4-8, 30A/  Voltage Dip Immunity:  EN61000-4-11	d of this document.
Conducted Emissions:  Radiated Emissions:  Class B, FCC Part Harmonic Current Voltage Distortion:  Voltage Fluctuations/Flicker:  EN61000-3-2, Class Voltage Fluctuations/Flicker:  EN61000-4-2, 8KV Radiated RF Immunity:  EN61000-4-3, 10V/ EFT/Burst Immunity:  EN61000-4-4, 4KV Line Surge Immunity:  EN61000-4-5, 2KV Conducted RF Immunity:  EN61000-4-6, 3VR Power Frequency Magnetic Field Immunity:  EN61000-4-11	I-2, 4th edition 2, EN61000-6-3, EN61000-6-4 , EN61000-6-1, EN61000-6-2
Radiated Emissions:  Class B, FCC Part Harmonic Current Voltage Distortion:  Voltage Fluctuations/Flicker:  EN61000-3-2, Clas Voltage Fluctuations/Flicker:  EN61000-4-2, 8KV Radiated RF Immunity:  EN61000-4-3, 10V/ EFT/Burst Immunity:  EN61000-4-4, 4KV Line Surge Immunity:  EN61000-4-5, 2KV Conducted RF Immunity:  EN61000-4-6, 3VR Power Frequency Magnetic Field Immunity:  EN61000-4-11	5, Class B (with resistive load)
Harmonic Current Voltage Distortion:  Voltage Fluctuations/Flicker: Electrostatic Discharge (ESD) Immunity: EN61000-4-2, 8KV Radiated RF Immunity: EN61000-4-3, 10V/ EFT/Burst Immunity: EN61000-4-4, 4KV Line Surge Immunity: EN61000-4-5, 2KV Conducted RF Immunity: EN61000-4-6, 3VR Power Frequency Magnetic Field Immunity: EN61000-4-11	5, Class B (with resistive load)
Electrostatic Discharge (ESD) Immunity:  Radiated RF Immunity:  EN61000-4-2, 8KV  EFT/Burst Immunity:  EN61000-4-3, 10V/  EFT/Burst Immunity:  EN61000-4-4, 4KV  Line Surge Immunity:  EN61000-4-5, 2KV  Conducted RF Immunity:  EN61000-4-6, 3VR  Power Frequency Magnetic Field Immunity:  EN61000-4-8, 30A/  Voltage Dip Immunity:  EN61000-4-11	
Radiated RF Immunity: EN61000-4-3, 10V/2 EFT/Burst Immunity: EN61000-4-4, 4KV/2 Line Surge Immunity: EN61000-4-5, 2KV/2 Conducted RF Immunity: EN61000-4-6, 3VR/2 Power Frequency Magnetic Field Immunity: EN61000-4-8, 30A/2 Voltage Dip Immunity: EN61000-4-11	
EFT/Burst Immunity:  Line Surge Immunity:  Conducted RF Immunity:  Power Frequency Magnetic Field Immunity:  EN61000-4-8, 30A  Voltage Dip Immunity:  EN61000-4-11	contact discharge, 20KV air discharge
Line Surge Immunity: EN61000-4-5, 2KV  Conducted RF Immunity: EN61000-4-6, 3VR  Power Frequency Magnetic Field Immunity: EN61000-4-8, 30Av  Voltage Dip Immunity: EN61000-4-11	n 80-1000MHz, 3V/m 1-2.7GHz, 80% 1KHz AM
Conducted RF Immunity: EN61000-4-6, 3VR Power Frequency Magnetic Field Immunity: EN61000-4-8, 30A/ Voltage Dip Immunity: EN61000-4-11	100kHz.
Power Frequency Magnetic Field Immunity: EN61000-4-8, 30A/Voltage Dip Immunity: EN61000-4-11	
Voltage Dip Immunity: EN61000-4-11	differential, 4KV common-mode
	·
Enclosure	//S, 80% 1KHz AM
	//S, 80% 1KHz AM
Housing: High impact plastic	//S, 80% 1KHz AM
A(: Innut Mechanical ()ntions:	//S, 80% 1KHz AM
Markings: Label or laser printe	MS, 80% 1KHz AM

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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 ±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

LEAKAGE CURRENT: Less than 10uA

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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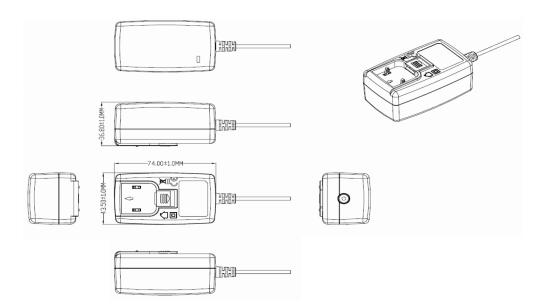
Model No. GTM96180-1307-2.0-CF

Part No./Ordering No. WR9QA2500T00NACFR6B

Rev A

3D File Download 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.

Drawing Title: GTM96180-1307-2.0-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: 12.50W, 5.0V@2.5A, 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: 1200 mm, 16 (Large ground 40/0.20) OD:4.3mm/1C + Shield Cond, UL 1185, T-plug system (includes 5.5x2.5, 5.5x2.1, 3.5x1.3mm plugs in each kit), Ferrite: None, GlobTek Black, GT Cord # C27417, Blades/Input Cord: Q-Series N. American, Approvals:

Model No. GTM96180-1307-2.0-CF

Part No./Ordering No. WR9QA2500T00NACFR6B Rev A

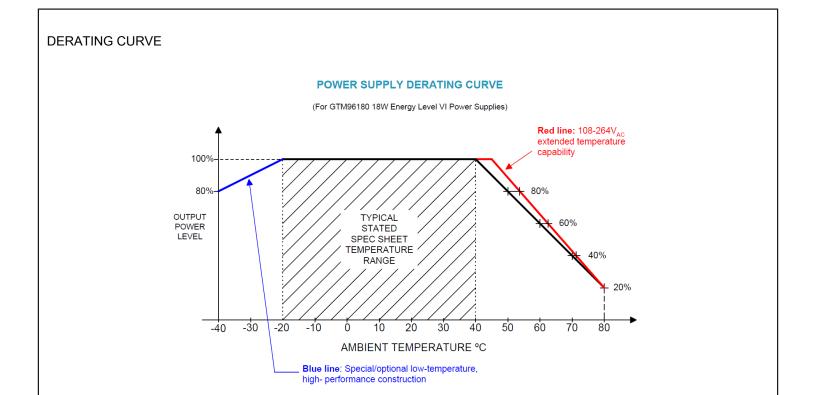
Product Image	
1 Toddet image	
Web Overview	
https://www.plahtalage.go/ 00M/D00 A0500T00N/A OFD0D/a	
https://www.globtek.com/_0/WR9QA2500T00NACFR6B/o	

Drawing Title: GTM96180-1307-2.0-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: 12.50W, 5.0V@2.5A, 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: 1200 mm, 16

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Model No. GTM96180-1307-2.0-CF

Part No./Ordering No. WR9QA2500T00NACFR6B



Drawing Title: GTM96180-1307-2.0-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: 12.50W, 5.0V@2.5A, 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: 1200 mm, 16

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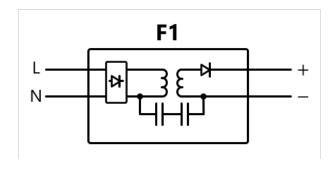
Model No. GTM96180-1307-2.0-CF

Part No./Ordering No. WR9QA2500T00NACFR6B

Rev A

#### 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

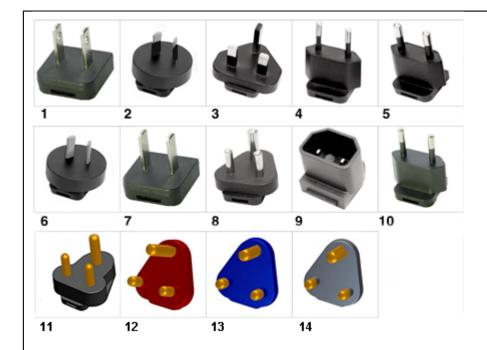
Drawing Title: GTM96180-1307-2.0-CF, ICT / ITE / Medical Power Supply/Class 2/Household Power Supply, Efficiency Level: USA DOE Level VI / Eco-design Directive 2009/125/EC, (EU) 2019/1782, Case Color/Style: GlobTek Black, Wall Plug-in, Regulated Switchmode AC-DC Power Supply AC Adaptor, Input Rating: 100-240V~, 50-60 Hz, Interchangeable Blades, https://www.globtek.com/interchangeable-blades.php, Output Rating: 12.50W, 5.0V@2.5A, 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: 1200 mm, 16

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Model No. GTM96180-1307-2.0-CF

Part No./Ordering No. WR9QA2500T00NACFR6B

Rev A



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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Model No. GTM96180-1307-2.0-CF

Part No./Ordering No. WR9QA2500T00NACFR6B

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

Drawing Title: GTM96180-1307-2.0-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: 12.50W, 5.0V@2.5A, Pin Out: Polarity Configuration T00 All plugs are Medical Grade, Locking, Polarized once installed, and single use only. Product demonstration link:

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Model No. GTM96180-1307-2.0-CF

Part No./Ordering No. WR9QA2500T00NACFR6B

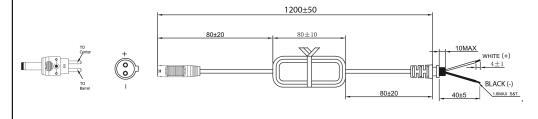
Rev A

OUTPUT CORD AND CONNECTOR:	T00/C27417
ACTUAL CONNECTORS, OVERMOLDS, F	ERRITES MAY VARY SLIGHTLY FROM THE PICTURE BELOW
CABLE TYPE	UL 1185
CABLE LENGTH (mm)	1200
CABLE TOLERANCE (mm)	± 50
WIRE GAUGE (AWG)	16 (Large ground 40/0.20) OD:4.3mm
CONDUCTORS	1C + Shield
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: <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
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 fullfill 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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Model No. GTM96180-1307-2.0-CF

Part No./Ordering No. WR9QA2500T00NACFR6B

Black, GT Cord # C27417, Blades/Input Cord: Q-Series N. American, Approvals:

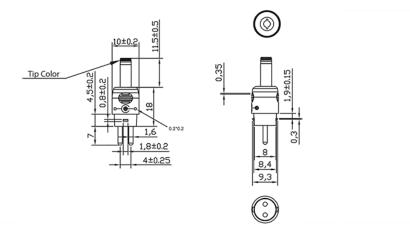
Rev A

Contact impedance: 30 m $\Omega$  max

Insulation resistance: 100 M $\Omega$  min, 500V DC Withstanding Voltage: 500V AC for one minute

Operating temperature: -20°C to 50°C

Fire rating: VW-1



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.

Please click here and review usage guidance below before use.

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

Part # CROSS REFERENCE

OUTER DIAMETER INNER DIAMETER PIN LENGTH FORM FACTOR MALE/FEMALE INCLUDED IN 100 KIT TIP COLOR BUY NOW

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Model No. GTM96180-1307-2.0-CF

Part No./Ordering No. WR9QA2500T00NACFR6B

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	х	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	х	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
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
( )								

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Model No. GTM96180-1307-2.0-CF

Part No./Ordering No. WR9QA2500T00NACFR6B

STANDARD PLUGS AND CONNECTORS CAN I	VAILABLE AT <a href="https://www.globtek.com/en/connectors">https://www.globtek.com/en/connectors</a> BE SEEN ONLINE AT <a href="https://www.globtek.com/en/connectors">https://www.globtek.com/r2/PtqjjL</a> VITH OUR ONLINE CALCULATOR: <a href="https://www.globtek.com/r2/PtqjjL">https://www.globtek.com/r2/PtqjjL</a>

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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: <a href="https://www.globtek.com/en/technical-articles/ferrite-kit-radiated-emi-suppression-kit-for-globtek-power-supplies-cable-assemblies">https://www.globtek.com/en/technical-articles/ferrite-kit-radiated-emi-suppression-kit-for-globtek-power-supplies-cable-assemblies</a>

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Model No. GTM96180-1307-2.0-CF

Part No./Ordering No. WR9QA2500T00NACFR6B

Rev A

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
WATERIAL	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
TEXT COLOR	Housing is White or Gray.
LABEL WIDTH (mm)	29.8
LABEL HEIGHT (mm)	20.8
SPECIAL BARCODE LABEL	No
MATERIAL	INU

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

Regulatory certifications/label markings may be in logo area on the label or molded into the case housing outside the label area.

Information will be shown via label and/or pad printed and/or molded and/or laser engraved in the case. \* Date code markings at GlobTek option



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

B=P/N: (料号) WR9QA2500T00NACFR6B C=Model (型号) GTM96180-1307-2.0-CF D=Input (输入)100-240V~, 50-60 Hz, 0.6 A E=Output (输出)5.0 V == 2.5 A, 12.50W

Drawing Title: GTM96180-1307-2.0-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: 12.50W, 5.0V@2.5A, 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: 1200 mm, 16 (Large ground 40/0.20) OD:4.3mm/1C + Shield Cond, UL 1185, T-plug system (includes 5.5x2.5, 5.5x2.1, 3.5x1.3mm plugs in each kit), Ferrite: None, GlobTek Black, GT Cord # C27417, Blades/Input Cord: Q-Series N. American, Approvals:

Model No. GTM96180-1307-2.0-CF

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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=01t0c000009EQdx&m=1		
CE EC-Declaration for Industrial/Commercial/ITE	https://cs.globtek.info/ec_declaration_product?id=01t0c000009EQdx&i=2		
CE EC-Declaration for Household	https://cs.globtek.info/ec_declaration_product?id=01t0c000009EQdx&h=2		
UKCA-Declaration for Medical	https://cs.globtek.info/ukca_declaration_product?id=01t0c000009EQdx&m=1		
UKCA-Declaration for Industrial/Commercial/ITE	https://cs.globtek.info/ukca_declaration_product?id=01t0c000009EQdx&i=2		
UKCA-Declaration for Household	https://cs.globtek.info/ukca_declaration_product?id=01t0c000009EQdx&h=2		
Morocco SDoC Declaration	https://cs.globtek.info/Morocco_SDoC_Declaration?id=a0Oa000000MjRI5EAN		
RoHS/RoHS3 Declaration	https://www.globtek.com/pdf/rohs_cert/01t0c000009EQdxAAG		
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/HAqqMxigGUh/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-

MOLDED CONNECTORS AVAILABLE

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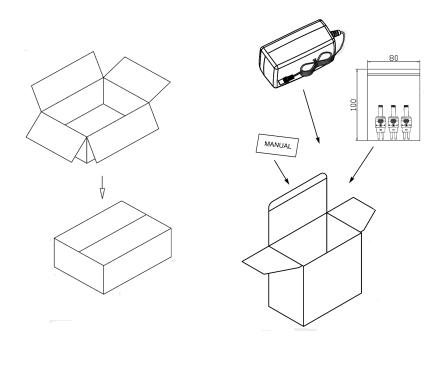
https://en.globtek.com/news/t00-changeable-output-plug-system-for-power-supplies MOLDED CONNECTORS AVAILABLE, Output Configuration: 1200 mm, 16 (Large ground 40/0.20) OD:4.3mm/1C + Shield Cond, UL 1185, T-plug system (includes 5.5x2.5, 5.5x2.1, 3.5x1.3mm plugs in each kit), Ferrite: None, GlobTek Black, GT Cord # C27417, Blades/Input Cord: Q-Series N. American, Approvals:

Model No. GTM96180-1307-2.0-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)	478 x 421 x 200
Master Carton Cubic Volume (m³)	0.04
Master GW (Kg)	8.4 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

<sup>\*</sup> 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.

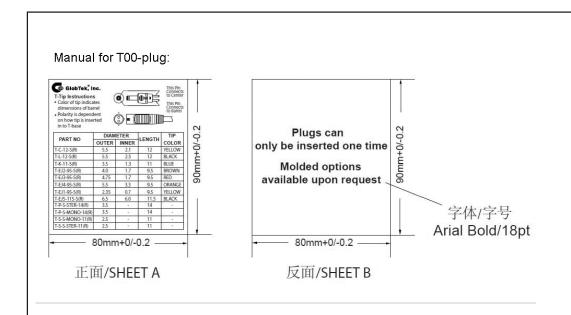


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https://en.globtek.com/news/t00-changeable-output-plug-system-for-power-supplies MOLDED CONNECTORS AVAILABLE, Output Configuration: 1200 mm, 16 (Large ground 40/0.20) OD:4.3mm/1C + Shield Cond, UL 1185, T-plug system (includes 5.5x2.5, 5.5x2.1, 3.5x1.3mm plugs in each kit), Ferrite: None, GlobTek Black, GT Cord # C27417, Blades/Input Cord: Q-Series N. American, Approvals:

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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

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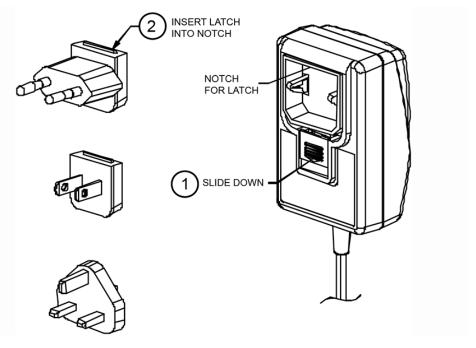
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FUSING: Internal fuse for Line is provided in the power supply. A blown internal fuse is an indication of catastrophic failure of circuit component(s). Repair must be performed by GlobTek, Inc. authorized personnel. Fuses must be replaced with same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



 $\Lambda$ 

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:

1. 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:

1. 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:

1. 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.

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