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	REV	DESCRIPTION	DATE	APPROVED
	A	INITIAL RELEASE, RFS. 24537, JN	04/01/13	HM



**1. ELECTRICAL SPECIFICATION:**

**INPUT**

INPUT VOLTAGE: 90Vac TO 264Vac  
INPUT CURRENT: <0.5Arms AT 90Vac INPUT  
INPUT FREQUENCY: 47HZ - 63HZ

**OUTPUT**

OUTPUT VOLTAGE: 3.3 VDC, NO LOAD TO FULL LOAD, NO MINIMUM LOAD REQUIRED  
OUTPUT CURRENT: 2.6 A  
RATED OUTPUT POWER: 9 WATTS, MAXIMUM  
OUTPUT REGULATION: +/- 5% MEASURED AT THE OUTPUT CONNECTOR  
LINE VOLTAGE REGULATION: +/- 1% TYPICAL MEASURED AT FULL LOAD  
HIGH FREQ. OUTPUT RIPPLE: 1% OF OUTPUT VOLTAGE , PEAK TO PEAK, TYPICAL  
TURN-ON/TURN-OFF OVERSHOOT: 5% MAXIMUM, 1mS TYPICAL RECOVERY TIME FOR 25% STEP LOAD  
TURN-ON DELAY: 1 SECOND, TYPICAL  
HOLD-UP TIME: 10mS TYPICAL AT NOMINAL INPUT VOLTAGE AND FULL LOAD  
INRUSH CURRENT: 30A TYPICAL AT 115Vac INPUT AND 40A TYPICAL AT 230Vac INPUT  
SWITCHING FREQUENCY: 100KHZ TYPICAL, VARIES WITH LINE AND LOAD  
EFFICIENCY: 75% TYPICAL AT NOMINAL INPUT AND FULL LOAD

**PROTECTION**

OVER-VOLTAGE: VOLTAGE LIMITED BY CROWBAR METHOD  
OVERLOAD/SHORT CIRCUIT: MOMENTARY SHORT CIRCUIT PROTECTED, OUTPUT WILL AUTORECOVER UPON REMOVAL OF SHORT INPUT LINE FUSING

INPUT PROTECTION:

**SAFETY**

DIELECTRIC WITHSTAND VOLTAGE:  
FOR CLASS II WITH FUNCTIONAL EARTH VERSIONS:  
EARTH LEAKAGE CURRENT:

4242Vdc FROM PRIMARY TO SECONDARY  
< 300uA at 264Vac INPUT VOLTAGE

**APPROVALS**

ITE UNITS:

UL 60950, CUL TO 22.2NO.60950, CE FOR EMC,  
KTL EK MARK TO 60950 (FOR GT-21089-0909-T3 ~ GT-21089-1305-T3, GT-21089-1512-T3),  
CHINESE CCC MARK TO GB4943.1-2011 GB9254-2008 GB17625.1-2003 Tropical  
(GT-21089-T3 FROM 5~18V OUTPUT), PSE TO J60950, AS/NZ 60950, IRAM TO 60950-1:2005,  
NEMKO TO EN 60950, PCBC TO EN 60950, ARGENTINA TUV/S, CB REPORT  
BSMI (GT-21089-1305-T3), GOST-R, CQC PSE, UKRAINE

EMI:

COMPLIES WITH EN55022 CLASS B AND FCC PART 15 CLASS B, VCCI  
WHEN TESTED WITH RESISTIVE LOAD, BOTH CONDUCTED AND RADIATED EMI  
TESTED TO COMPLY WITH AUSTRALIA SECTION 182 OF THE RADIO COMMUNICATION  
ACT OF 1992.

C-TICK

CE MARK:

TESTED TO COMPLY WITH EN61000-3-2 EN610003-3 AND EN50082-1  
INCLUDING EN61000-4-2 , EN61000-4-3, EN61000-4-4,  
EN61000-4-5, EN61000-4-6, EN61000-4-11 .

**OTHERS**

MTBF:  
OPERATING TEMPERATURE:  
HUMIDITY:  
STORAGE TEMPERATURE:  
ROHS 2:

200,000 HOURS AT 25C AMBIENT TEMPERATURE  
0°C TO 40°C AMBIENT TEMPERATURE  
0% TO 90% RELATIVE HUMIDITY  
-10°C TO 80°C  
COMPLIES WITH EU 2011/65/EU AND CHINA SJ/T 11363-2006

Foot Note: Globtek Inc. will not be liable for the safety and performance of these power supplies if unauthorized access and repair occurs. End user should consult applicable UL, CSA or EN standards for proper installation instructions.	DASH NO.	PART NO	REV.	DESCRIPTION	NOTES	
	<b>TABULATION BLOCK</b>					
	Limitation of Use: Globtek product are not authorized for use as mission critical components in life support, hazardous environment, nuclear or aircraft applications without prior written approval from the CEO of Globtek Inc.		TOLERANCES: DECIMALS .xx +/- 0.1 .xxx +/- .005 ANGULAR +/- 1°		<b>186 Veterans Dr. Northvale, NJ 07647</b> <b>Tel. 201-784-1000 Fax 201.784.0111</b> <b>www.globtek.com</b>	
	INIT.BY: JN	DATE: 04/01/13	MILLIMETERS .xx +/- 0.3 .xxx +/- .013	ANGULAR +/- 1°		
DRAWN: NF	DATE: 04/01/13	FSCN No.: G, Y	SIZE A	MODEL NO: GT-21089-0903-T3 & 3021457F701(R)	REV. A	
Contents of this document are subject to change without prior notice	APRVD : DMR	DATE: 04/01/13	CAGE CODE: 0GV V90 SCALE: NONE	PART NO: <b>TR9CQ2600LCPY-G2821</b>	SHEET 1 OF 5	

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**2. ENCLOSURE / INPUT CONFIGURATION:**

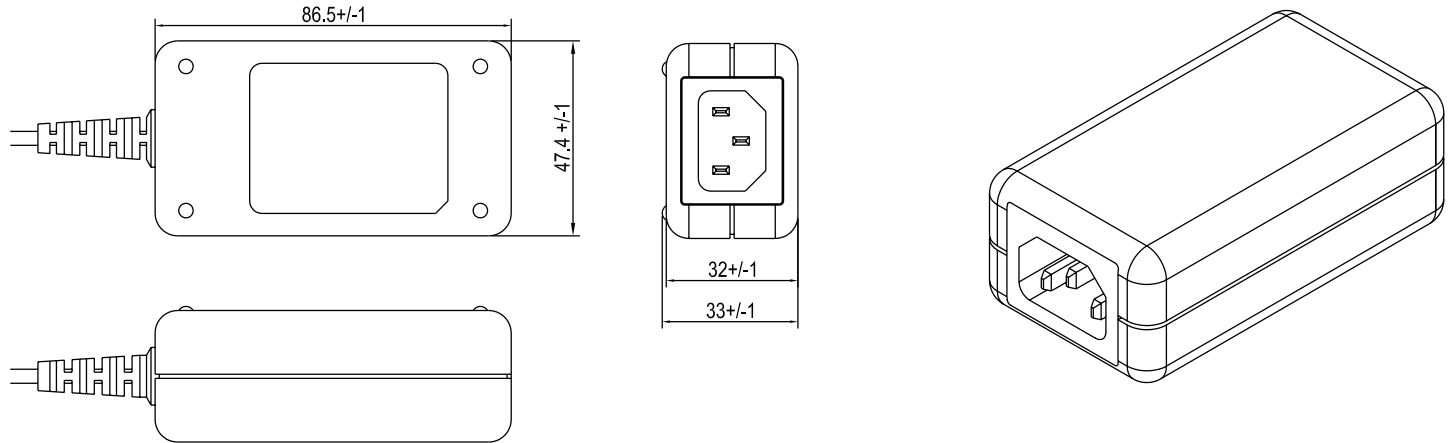
DIMENSIONS ARE IN MM UNLESS SPECIFIED OTHERWISE

UPPER HOUSING: HIGH IMPACT PLASTIC, 94V0 POLYCARBONATE, NON-VENTED, COLOR BLACK

LOWER HOUSING: HIGH IMPACT PLASTIC 94V0 POLYCARBONATE, NON- VENTED, COLOR BLACK

**DESKTOP CLASS I (-T3):**

SIZE: 86.5 x 47 x 32 ± 0.5 mm



**INPUT CONNECTOR:**

CONFIGURATION: CLASS I MODEL IEC320 / C14, AC POWER INLET WITH 3 MALE PRONGS.

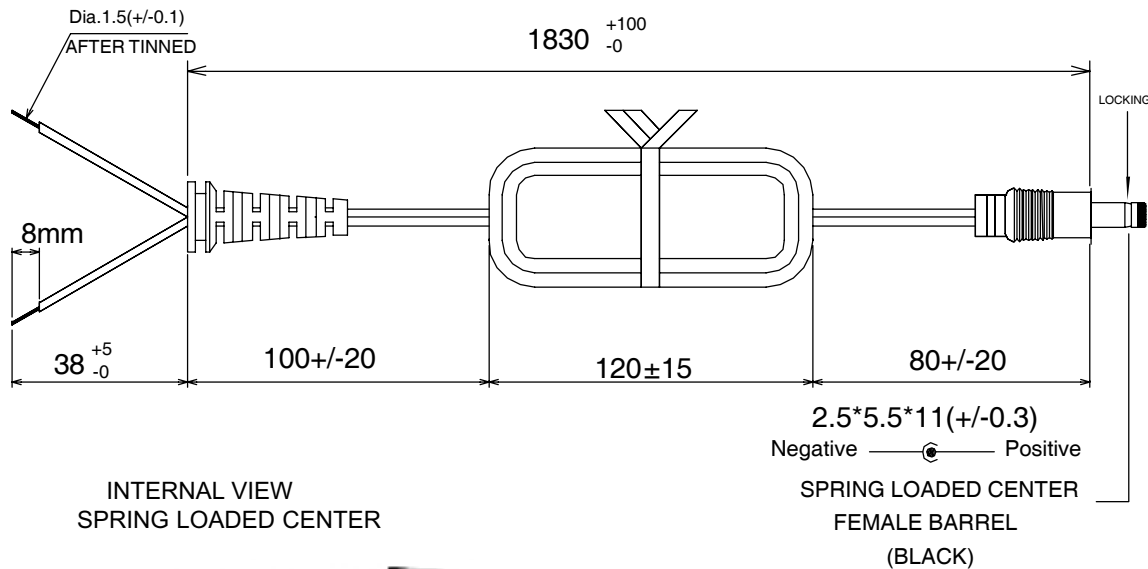
**3. OUTPUT CORD :**


2 CONDUCTOR, 18 AWG STRANDED WIRE, FLAT SPT-1 CORD TYPE, COLOR BLACK, LENGTH (L)

OF CORD: 1830 +100, -0 mm. CORD IS MEASURED FROM THE HOUSING TO THE END OF OVERMOLD OF THE CONNECTOR. CABLE IS TO BE MARKED WITH WIRE GAUGE, AND ALL APPLICABLE RATING AND SAFETY APPROVALS.

**4. OUTPUT CONNECTOR:**

STANDARD, STRAIGHT FEMALE BARREL 5.5 x 2.5 x 11 mm (SPRING LOADED WITH LOCKING NOTCH); WITH CENTER POSITIVE



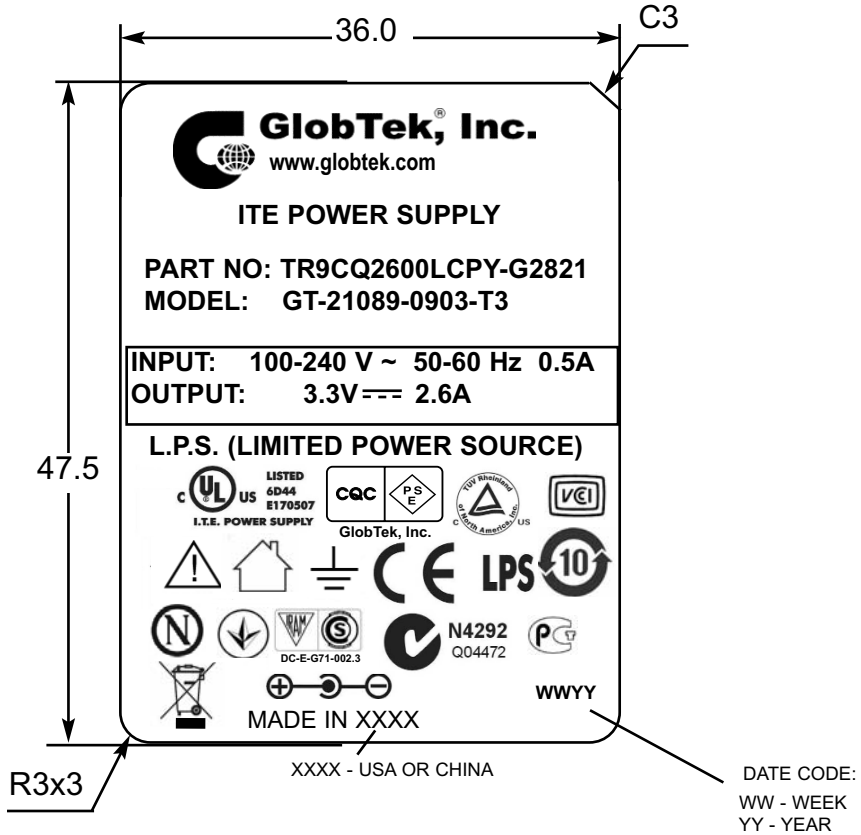
 <b>GlobTek, Inc.</b> <a href="http://www.globtek.com">www.globtek.com</a>		186 Veterans Dr. Northvale, NJ 07647 Tel. 201-784-1000 Fax 201.784.0111
DWG TITLE: SWITCHER, 9WATT, 3.3VDC @ 2.6A, SINGLE OUTPUT, DESKTOP UNIVERSAL INPUT, ITE, CLASS II FE		
MODEL NO:	GT-21089-0903-T3 & 3021457F701(R)	REV. A
PART NO:	TR9CQ2600LCPY-G2821	SHEET 2 OF 5

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**5. LABEL:**

MATERIAL: .007 (0.18) THICK FLAT THERMAL TRANSFER, IMPRINTABLE, BLACK POLYESTER SHEET WITH WHITE NOMENCLATURE.  
MANUFACTURER: STEVEN LABEL, MATERIAL I.D. NO.3302-33, UL FILE NO. MH12821(N), UL MATERIAL DESIGNATION FILE NO. GHW332RL. OPTIONAL LABEL MATERIAL CAN BE SUBSTITUTED PROVIDING MATERIAL IS UL LISTED AND COMPLIES WITH APPLICABLE SAFETY REQUIREMENTS.



**ACTUAL POSITIONING OF SYMBOLS AND TEXT IS SUBJECT TO CHANGE AT TIME OF MANUFACTURE**



→ **CAUTION: FOR INDOOR USE ONLY**  
**ATTENTION: POUR UTILISATION A L'INTERUR SEULAMENT**

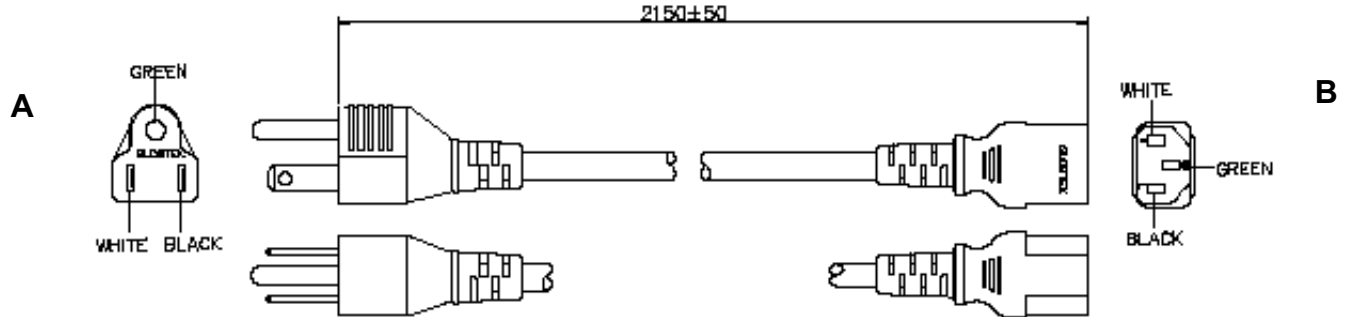
S/N: RoHS UNDERNEATH OF MAIN LABEL

<b>GlobTek, Inc.</b>		186 Veterans Dr. Northvale, NJ 07647 Tel. 201-784-1000 Fax 201.784.0111
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**6. INPUT CORDSET P/N: 3021457F701(R) or EQUIVALENT**

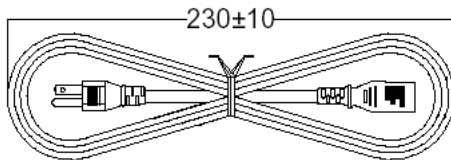


**GENERAL SPECIFICATIONS:**

RATING: 10A / 125V AC  
CABLE TYPE / SIZE: SVT, 18 AWG X 3  
TEMPERATURE RATING: 105° C  
CONDUCTOR COLORS: BLACK / WHITE / GREEN  
CABLE JACKET COLOR: BLACK  
OVERALL LENGTH (L): 2150 ± 50 mm  
CABLE OUTER DIAMETER: 6.3 ± 0.1 mm  
END 'A' TERMINATION: NEMA 5-15P  
END 'B' TERMINATION: IEC 320 / C13  
APPROVALS PLUG: UL, CSA or cUL  
APPROVALS CABLE: UL, CSA or cUL  
APPROVALS CONNECTOR: UL, CSA or cUL

**PACKING:**

HANKING  
L = 230 ± 10 mm  
MAXIMUM SHIPPING CARTON WEIGHT IS 30 KG.



**NOTES:**

1. CORD, PLUG AND CONNECTOR MUST BE MARKED WITH APPROVAL SYMBOLS OR FILE NUMBER(S).



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www.globtek.com Tel. 201-784-1000 Fax 201.784.0111

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SINGLE OUTPUT, DESKTOP UNIVERSAL INPUT, ITE, CLASS II FE

MODEL NO: GT-21089-0903-T3 & 3021457F701(R)

REV.  
A

PART NO: TR9CQ2600LCPY-G2821

SHEET 4 OF 5

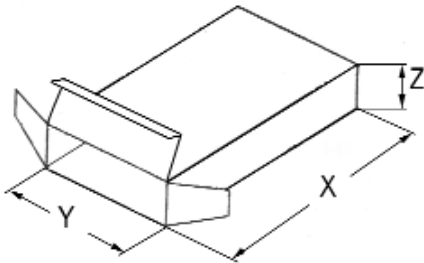
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**7. INDIVIDUAL PACKING BOX:**

MATERIAL: CORRUGATED FIBERBOARD, F-FLUTE 0.8 (2.0) THICK, DOUBLE WALL CONSTRUCTION.

EXTERNAL FINISH: WHITE, COATED WITH GLOSS FINISH (AQUEOUS OR VARNISH) STYLE: TUCK SIDES WITH LOCKING TABS ON BOTH SIDES OF BOX. NO PRINTING ON THE OUTSIDE OF BOX.



X = 147 mm  
Y = 100 mm  
Z = 33 mm

60 PCS PER CARTON  
G.W. = 13.2kg

**China RoHS SELF DISCLOSURE TABLE**

有毒有害物质或元素名称及含量标准形式 Name and concentration of hazardous substance or element in product						
零件名 Name of part	剧毒有害物质或元素 Hazardous substance or element					
	铅 Pb	汞 Hg	镉 Cd	六价铬 Cr(VI)	多溴联苯 PBB	多溴二苯醚 PBDE
输出线材料 DC CABLE	X	O	O	O	O	O
输入插座 AC SOCKET	X	O	O	O	O	O
二极管 SMD ZENER	X	O	O	O	O	O
<p>O: 表示该有毒有害物质在这部件中所有同质材料中的含量均在SJ/T 11363-2006规定的限量要求以下。 O: refers to the concentration of this hazard substance in the all homogenous materials in this part is below the concentration limit as stipulated in the standard SJ/T 11363-2006.</p> <p>X: 表示该有毒有害物质至少在这部件中的某一同质材料中的含量超出 SJ/T 11363-2006规定的限量要求。 X: refers to the concentration of this hazard substance at least in a homogenous material is higher than the concentration limit as stipulated in the standard SJ/T 11363-2006.</p>						

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