

REVISION HISTORY

REV	DESCRIPTION	SALES	RFS	DATE	APPROVED
A	INITIAL RELEASE	SO	19112	8/4/2010	HM
B	UPDATED DRAWING TITLE, REMOVED WALL PLUG-IN			8/11/2010	HM

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:

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 instruction.

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.

Contents of this document are subject to change without prior notice

 GlobTek®, Inc.

www.globtek.com

186 Veterans Drive, Northvale, NJ 07467

Tel. 201-784-1000 Fax 201-784-0111

Drawing Title: SWITCHING POWER SUPPLY, UNIVERSAL INPUT

18 WATTS, 9.0 VOLTS @ 2.0 AMPS

MODEL NO: GT-41082-1809-T3

PART NO: TR9CD2000LCP-N(RV)

REV B

**PROPRIETARY INFORMATION:**

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**1. NOTES:**

DIMENSIONS ARE IN MM UNLESS SPECIFIED OTHERWISE.

**2. ELECTRICAL SPECIFICATIONS:**

INPUT VOLTAGE:	100-240	VAC
INPUT CURRENT:	0.6	Amp RMS MAX
INPUT FREQUENCY:	47-63	Hz
OUTPUT VOLTAGE:	9	VDC
OUTPUT CURRENT:	2	A, NO MINIMUM LOAD REQUIRED TO MAINTAIN OUTPUT VOLTAGE REGULATION
OUTPUT POWER (RATED):	18	WATTS MAX
OUTPUT LOAD REGULATION:	+/- 5% MEASURED AT O/P CONNECTOR	
LINE VOLTAGE REGULATION:	+/- 1% TYPICAL MEASURED AT THE OUTPUT CONNECTOR	
OUTPUT RIPPLE (PEAK TO PEAK):	1% OR 150 mV WHICHEVER IS GREATER. MEASURED AT 20 MHz BANDWIDTH WITH 0.1 µf CERAMIC CAPACITOR IN PARALLEL WITH 10 µf ELECTROLYTIC CAPACITOR CONNECTED AT THE END OF OUTPUT CONNECTOR AT NOMINAL LINE	
TURN-ON/TURN-OFF OVERSHOOT:	5% MAXIMUM, 1mS TYPICAL RECOVERY TIME FOR 25% STEP LOAD	
TURN-ON DELAY:	1 SECOND, TYPICAL	
HOLD-UP TIME:	8mS TYPICAL AT NOMINAL INPUT VOLTAGE AND FULL LOAD	
INRUSH CURRENT:	30A TYPICAL AT 115VAC INPUT AND 60A TYPICAL AT 230 VAC INPUT	
SWITCHING FREQUENCY:	65 KHz TYPICAL	

**PROTECTION**

OVER-VOLTAGE:	PROTECTED WITH ZENER CLAMP ACROSS OUTPUT
SHORT CIRCUIT:	PROTECTED, UNIT WILL RECOVER UPON REMOVAL OF FAULT
INPUT:	INPUT LINE FUSING

**SAFETY:**

DIELECTRIC WITHSTAND VOLTAGE:	4242	VDC FROM PRIMARY TO SECONDARY
EARTH LEAKAGE:	<3.5 mA AT 240 VAC INPUT VOLTAGE	

**APPROVALS**

[SAFETY DOCUMENTS ARE AVAILABLE ONLINE BY CLICKING THIS LINK.](#)

SAFETY APPROVAL:	UL60950-1, CUL TO 22.2 #60950-1, NEMKO TO 60950-1, CCC TO GB4943-2001, GB9254-1998, GB17625.12003, GOST-R CE CLASS I, AS/NZ TO 60950 (PENDING) , C-TICK TO 55022 (PENDING), PSE TO J60950, CB REPORT
EMI:	COMPLIES WITH EN55022 CLASS B AND FCC PART 15 CLASS B, VCCI WHEN TESTED WITH RESISTIVE LOAD, BOTH CONDUCTED AND RADIATED EMI
CE MARK:	TESTED TO COMPLY WITH EN55022:1998_A1:2000, EN610003-2, E610003-3 INCLUDING EN61204-3:2000, EN61000-4-2, EN61000-44-3, EN61000-4-4, EN61000-4-5, EN61000-4-6N EN61000-4-11
C-TICK:	TESTED TO COMPLY WITH AUSTRALIA SECTION 182 OF THE RADIO COMMUNICATION ACT OF 1992.
EFFICIENCY:	ENERGY STAR VERSION 2.0 REGISTERED, LEVEL V COMPLIES TO SECTION 301 OF THE ENERGY INDEPENDENCE AND SECURITY ACT (EISA) CECP TIER 2 (CHINA), MEPS TIER 2 (AUSTRALIA), CODE OF CONDUCT (EUROPE)

**OTHERS**

MTBF:	200,000 HOURS AT 25°C AMBIENT TEMPERATURE
OPERATING TEMPERATURE:	0°C TO 40° C AMBIENT TEMPERATURE
HUMIDITY:	0% TO 90% RELATIVE HUMIDITY
STORAGE TEMPERATURE:	-10°C TO -80° C
RoHS:	COMPLIES WITH EU 2002/95/EC AND CHINA SO/T 11363-2006

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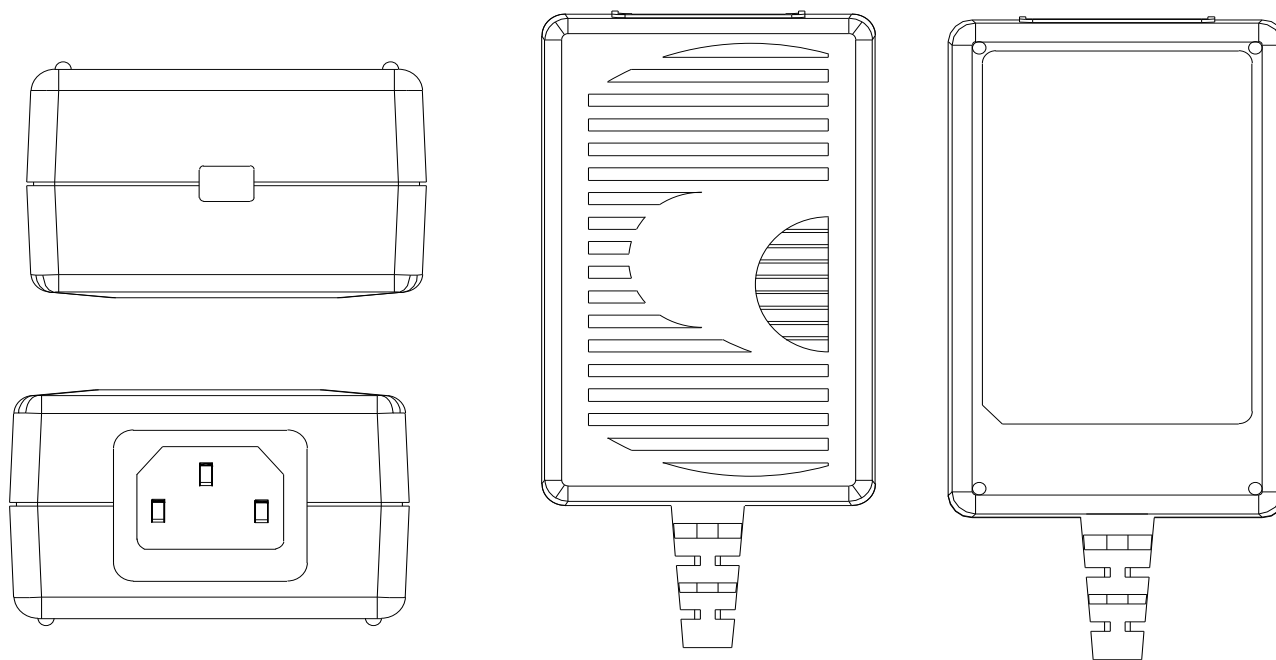
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**3. ENCLOSURE:**

MATERIAL 94V-0 POLYCARBONATE  
COLOR: COOL GRAY PANTONE # 11C  
DIMENSIONS: 50.0 x 80.6 x 31.1mm +/- 1.0  
AC INLET IEC 60320 / C14



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**5. OUTPUT CORD AND CONNECTOR:**

ACTUAL CONNECTOR'S, OVERMOLDS, FERRITES, MAY VARY SLIGHTLY FROM THE PICTURE BELOW

	EQUIVALENT	
	Y / N	
	CABLE TYPE	1C + SHIELD UL 1185
	CABLE LENGTH	1530mm + 150 - 0
	WIRE GAUGE (AWG)	18AWG
	HANK DIMENSION	70 ± 10mm
	CABLE / CONNECTOR OVERMOLD COLOR	COOL GRAY PANTONE # 11C
	FERRITE TYPE / DIMENSION	14.2 x 28.5 x 8.2mm
	FERRITE # OF TURNS	2
	FERRITE DIMENSION FROM STRAIN RELIEF	50 ± 10mm
	FERRITE DIMENSION FROM PLUG	N/A
	PLUG TYPE	Y BARREL
	OVER MOLD ORIENTATION	STRAIGHT
	PLUG DIMENSIONS	5.5 x 2.5 x 11mm
	BARREL PLUG INTERNAL SPRING CLIP	NO
	BARREL PLUG LOCKING NOTCH	NO
	POLARITY	CENTER POSITIVE
	STRIP LENGTH	N/A
	TIN LENGTH	N/A
	ADDITIONAL REQUIREMENTS	N/A

[ADDITIONAL OUTPUT PLUG OPTIONS ARE AVAILABLE BY CLICKING THIS LINK.](#)[STANDARD PLUGS AND CONNECTORS CAN BE SEEN ONLINE BY CLICKING THIS LINK](#)

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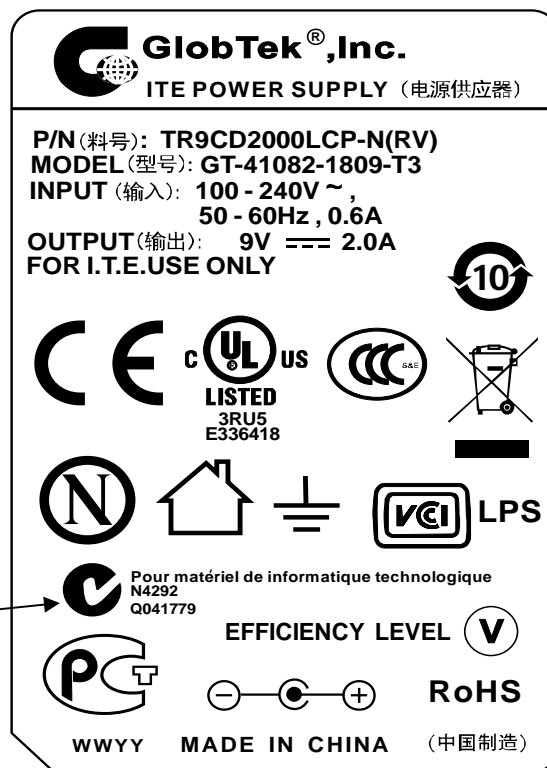
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**6. LABEL:**

MATERIAL	FLAT THERMAL TRANSFER, IMPRINTABLE, POLYESTER SHEET
BACKGROUND COLOR:	COOL GRAY PANTONE # 11C
TEXT COLOR:	WHITE OR SILVER
LABEL WIDTH: (mm)	39.6 mm
LABEL HEIGHT: (mm)	59.6 mm



PENDING



AVAILABLE UPON REQUEST

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

XXXXX → JAPAN IMPORTER'S NAME

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**7. PACKAGING:**

GIFT BOX SIZE:

110 x 57 x 70mm

GIFT BOX COLOR

WHITE

CARTON SIZE:

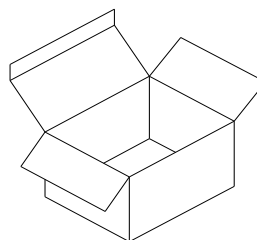
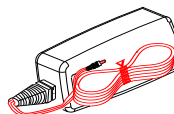
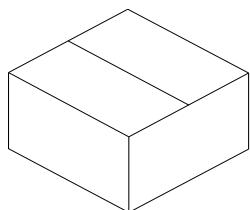
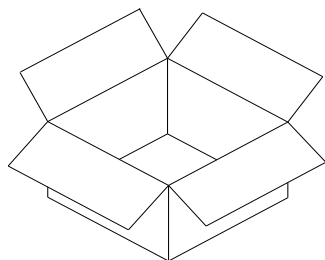
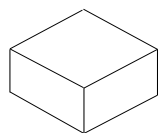
450 x 295 x 285mm

QUANTITY PER CARTON:

60 (20\*4)

G.W.

15.6 kgs

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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
Diode (ITO-220AB) 二极管	X	○	○	○	○	○
SMD resistor SMD 电阻	X	○	○	○	○	○
SMD Diode SMD 二极管	X	○	○	○	○	○
PLUG 直流输出端子	X	○	○	○	○	○
AC PIN 交流输入端子	X	○	○	○	○	○
○: 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。 ○: 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.						
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.						