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	REV	DESCRIPTION	DATE	APPROVED
	A	INITIAL RELEASE, RFS.2833, SO	01/14/04	DMR
	B	REMOVE T3 FROM MODEL #, RFS.5495, DMR	02/07/05	DMR
	C	ADD APPROVALS, UPDATE LABEL, GIFT BOX DIM., RFS. 8284, SO	04/07/06	DMR
	D	ADD VCCI, WEEE, ROHS, RFS. 10390, SO	04/07/07	HM
	E	ADD CH. ROHS, RFS. 10894, SO	05/09/07	HM
	F	SHOW SHRINK TUBING ON O/P CONN.,, RFS. 11112, SO	05/17/07	HM
	G	CORRECT GB SIZE, RFS. 11642, SO	07/30/07	HM

1. ELECTRICAL SPECIFICATIONS:

INPUT

INPUT VOLTAGE: 90Vac TO 264Vac
INPUT CURRENT: <1.6A rms AT 90VAC INPUT
INPUT FREQUENCY: 47HZ - 63HZ

OUTPUT :

OUTPUT VOLTAGE: 12 VDC
OUTPUT CURRENT: 4 A, NO LOAD TO FULL LOAD, NO MINIMUM LOAD REQUIRED
RATED OUTPUT POWER: 48 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 VOLATAGE AND FULL LOAD
INRUSH CURRENT: 20A TYPICAL AT 115Vac INPUT AND 30A TYPICAL AT 230Vac INPUT
SWITCHING FREQUENCY: 100KHZ TYPICAL
EFFICIENCY: 75% TYPICAL AT NOMINAL INPUT AND FULL LOAD
OUTPUT INDICATOR: GREEN LED FOR OUTPUT PRESENT

PROTECTION

OVER-VOLTAGE: VOLTAGE LIMITED TO LESS THAN 130%, CROWBAR METHOD
OVERLOAD: HICCUP MODE WITH AUTO-RECOVERY (110 - 130% OF RATED LOAD)
SHORT CIRCUIT: HICUP MODE, OUTPUT WILL AUTORECOVER UPON REMOVAL OF SHORT
INPUT PROTECTION: INPUT LINE FUSING

SAFETY

DIELECTRIC WITHSTAND VOLTAGE: 4242Vdc FROM PRIMARY TO SECONDARY
EARTH LEAKAGE CURRENT: 500uA at 264Vac INPUT VOLTAGE

APPROVALS

ITE UNITS: UL 60950 (THIRD EDITION), CUL TO 22.2 NO. 60950, TUV TO EN60950, PSE TO J60950, CB REPORT, AS/NZ 60950, CCC TO GB4943-2001,GB9254-1998, GB 17625.1-2003

EMI: COMPLIES WITH EN55022 CLASS B AND FCC PART 15 CLASS B, VCCI WHEN TESTED WITH RESITIVE LOAD, BOTH CONDUCTED AND RADIATED EMI.

CE MARK: TESTED TO COMPLY WITH EN61000-3-2 EN610003-3 AND EN50082-1 INCLUDING EN61000-4-2 (SYSTEM LEVEL), EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-11 LEVEL 4.

C-TICK TESTED TO COMPLY WITH AUSTRALIA SECTION 182 OF THE RADIO COMMUNICATION ACT OF 1992.

MTBF: GREATER THAN 50,000 HOURS AT 25°C AMBIENT TEMPERATURE

OPERATING TEMPERATURE: NOMINAL LINE AND FULL LOAD (MIL-217 STD)

HUMIDITY: 0°C TO 40°C AMBIENT TEMPERATURE

STORAGE TEMPERATURE: 0% TO 90% RELATIVE HUMIDITY

ROHS: - 40°C TO 80°C

COMPLIES WITH EU 2002/95/EC 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	
	TABULATION BLOCK					
			TOLERANCES: DECIMALS ANGULAR .xx +/- 0.1 +/- 1" .xxx +/- .005	 GlobTek, Inc. 186 Veterans Dr. Northvale, NJ 07647 www.globtek.com Tel. 201-784-1000 Fax 201.784.0111		
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.			MILLIMETERS ANGULAR .xx +/- 0.3 +/- 1" .xxx +/- .013	DWG TITLE: SWITCHER , 48WATT, 12V@ 4A SINGLE OUTPUT, DESKTOP UNIVERSAL INPUT, ITE, CLASS II FE		
	INIT.BY: SO	DATE: 01/14/04				
Contents of this document are subject to change without prior notice	DRAWN: NF	DATE: 01/14/04	FSCN No.: G, N	SIZE A	MODEL NO: GT-21097-5012	REV. G
	APRVD : DMR	DATE: 01/14/04	SCALE: NONE		PART NO: TR9CE4000ML4-Y(R)	SHEET 1 OF 4

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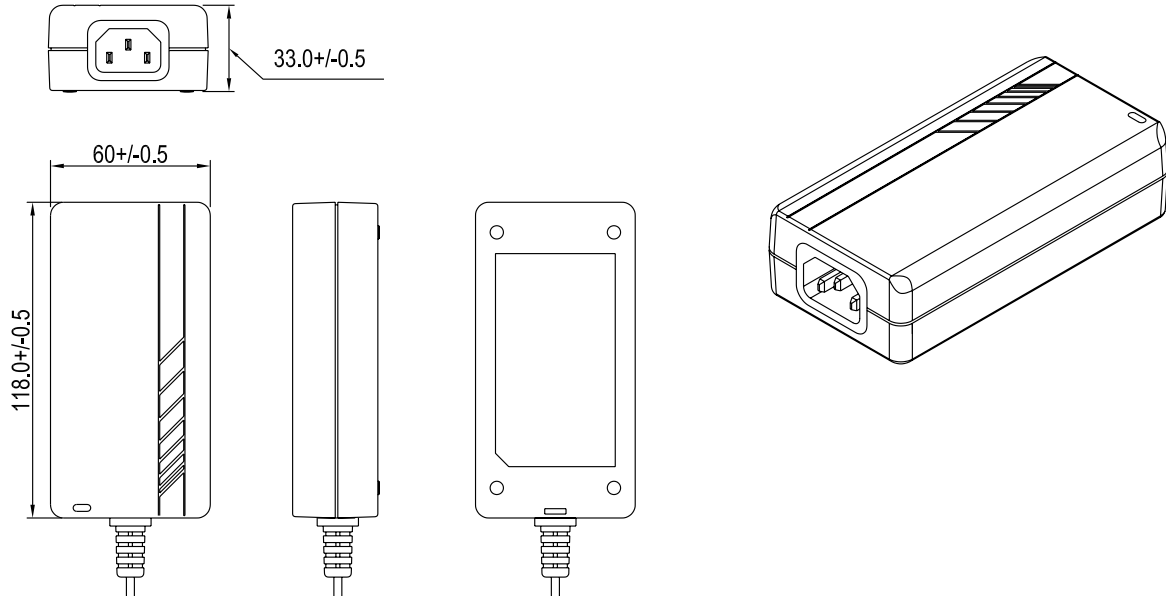
2. MECHANICAL SPECIFICATION

ENCLOSURE:

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

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

SIZE: 118 x 60 x 33 ± 1 mm



3. INPUT AND OUTPUT CONNECTION

INPUT CONNECTOR:

CONFIGURATION: CLASS II FE MODEL IEC320 / C14, AC POWER RECEPTACLE WITH 3 MALE PRONGS

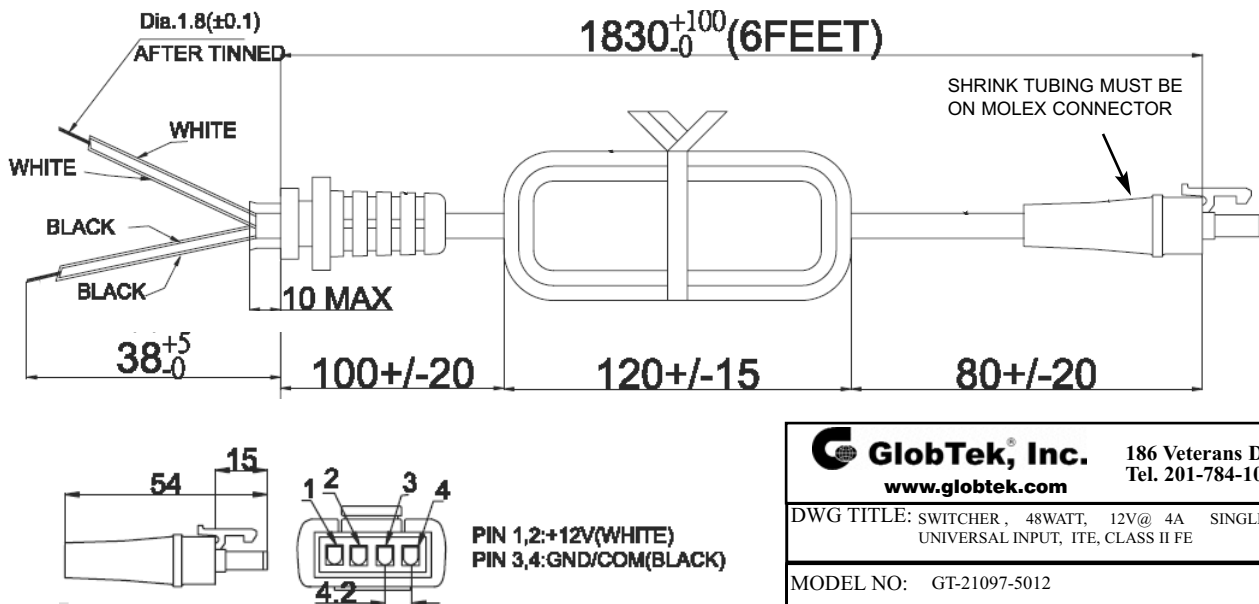
OUTPUT CORD:

4 CONDUCTOR: 18 AWG STRANDED WIRE ROUND UL 2464 CORD TYPE, COLOR BLACK , LENGTH OF CORD: 1830 +100,-0mm. 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.

OUTPUT CONNECTOR:

MOLEX 4 POSITION MINI FIT JR. # 5557 OR EQUIVALENT:



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Tel. 201-784-1000 Fax 201.784.0111

DWG TITLE: SWITCHER, 48WATT, 12V@ 4A SINGLE OUTPUT, DESKTOP
UNIVERSAL INPUT, ITE, CLASS II FE

MODEL NO: GT-21097-5012

REV.
G

PART NO: TR9CE4000ML4-Y(R)

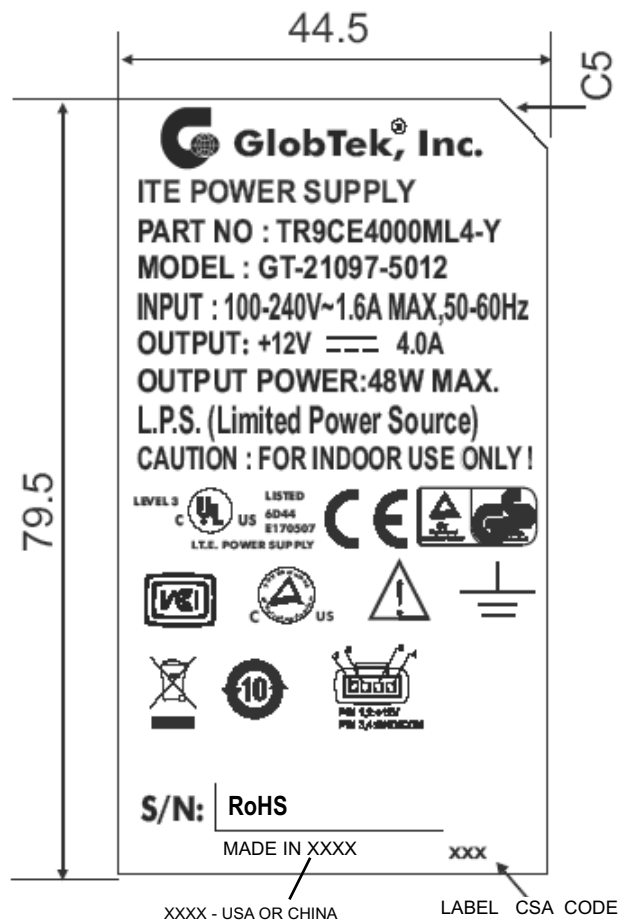
SHEET 2 OF 4

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4. 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

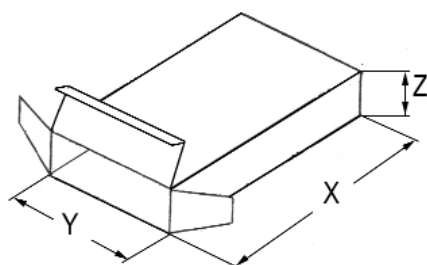


CAUTION: FOR INDOOR USE ONLY

ATTENTION: POUR UTILISATION A L'INTERIEUR SEULEMENT

5. 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 = 100 mm

Y = 147 mm

Z = 42 mm

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CHINA RoHS SELF DISCLOSURE TABLE

嬌倩嬌冉太寵剝嬌培曉眾翊罔吳亂居婢坪 Name and concentration of hazardous substance or element in product						
零件名 Name of part	孔倩嬌冉太寵剝嬌培 Hazardous substance or element					
	噏 Pb	汞 Hg	鎳 Cd	六价鉻 Cr(VI)	多樓吟兵 PBB	多樓偵兵咯 PBDE
罔佇奸廉窩 DC CABLE	X	O	O	O	O	O
罔罔付岂 AC SOCKET	X	O	O	O	O	O
二觔管 SMD ZENER	X	O	O	O	O	O
O: 表示嬌倩嬌冉太寵嬌孝亲劝寻墀嬌墉寵廉窩寻俑罔吳協嬌SJ/T 11363-2006八倓俑奸吳錠嚙嫖翕. 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.						
X: 表示嬌倩嬌冉太寵寬圾嬌孝亲劝寻俑嚙娭墉寵廉窩寻俑罔吳份佇 SJ/T 11363-2006八倓俑奸吳錠嚙. 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.						



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