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	REV	DESCRIPTION	DATE	APPROVED
	A	INITIAL RELEASE, RFS.2218, EM	09/15/03	DMR

**1. NOTES:**

DIMENSIONS ARE IN MM UNLESS SPECIFIED OTHERWISE.

**2. ELECTRICAL SPECIFICATIONS:**

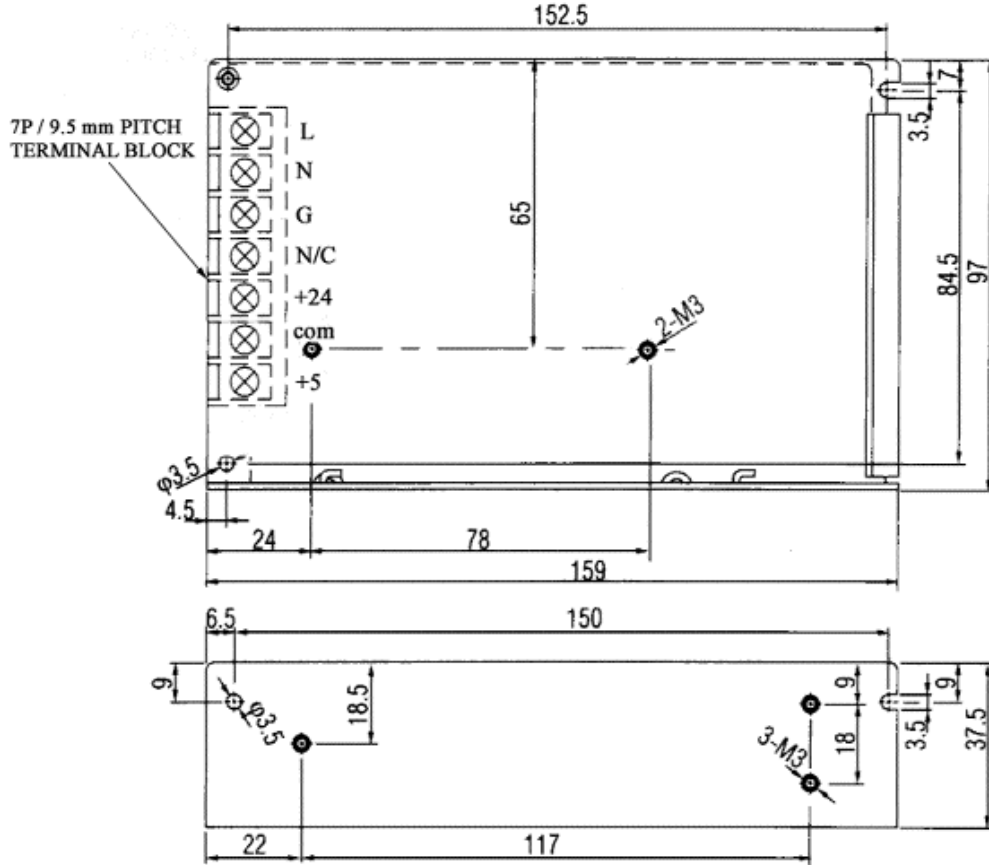
INPUT VOLTAGE: 85 VAC TO 264 VAC  
 INPUT CURRENT: < 1.6 A RMS AT 90 VAC INPUT  
 INPUT FREQUENCY: 47 HZ - 63 HZ  
 OUTPUT VOLTAGE / CURRENT: + 5 VDC @ 0.3 - 6 A, +24VDC @ 0.2-2.2A  
  
 OUTPUT CURRENT : EACH OUTPUT CURRENT CAN VARY WITHIN IT'S DESIGNATED RANGE AS LONG AS RATED OUTPUT POWER IS NOT EXCEEDED NO LOAD TO FULL LOAD,NO MINIMUM LOAD REQUIRED  
  
 OUTPUT POWER (RATED): 60 WATTS MAX  
 OUTPUT RIPPLE (PEAK TO PEAK): ≤ LESSOR OF 1% OR 100 mV FOR ALL OUTPUT  
 ADJUSTABILITY: +10, -5% MAIN OUTPUT  
 OUTPUT REGULATION (LINE/LOAD): ± 5 % FOR MAIN OUTPUT, ± 5% FOR SECOND OUTPUT (10% MIN.LOAD ON MAIN OUTPUT)  
  
 TURN ON/ TURN OFF OVERSHOOT: 4% MAX 500uS MAX RECOVERY TIME FOR 25% STEP LOAD  
 TURN-ON DELAY: 1 SEC MAX  
 HOLD-UP TIME: 10 mSEC MIN AT NOMINAL INPUT 115 VAC AND FULL LOAD  
 INRUSH CURRENT: 25 A MAX AT COLD START FOR N.A. (50A FOR EURO)  
 EFFICIENCY: 75 % TYPICAL  
 SWITCHING FREQUENCY: 100 KHZ TYPICAL  
 OVER-VOLTAGE PROTECTION: VOLTAGE LIMITED LESS 130% OF NOMINAL VOLTAGE FOR MAIN OUTPUT  
 OVER-CURRENT / SHORT CIRCUIT: HICCUP WITH AUTO RECOVERY TO 1.1 - 1.3 I<sub>o</sub>  
 OTHER PROTECTION: INPUT FUSING  
 SAFETY APPROVALS : UL 1012 / 1950, CUL TO 22.2 # 234, 950, TUV TO EN 60950, CE CLASS I  
 DIELECTRIC WITHSTAND VOLTAGE: 3000VAC PRIMARY-SECONDARY;1500 VAC PRIMARY- GROUND  
 LEAKAGE CURRENT: ≤ 3.5 mA  
 LINE SURGE: EN 61000-4-5 LEVEL 4  
 EMI: COMPLIES WITH EN55022, 1 CLASS B AND FCC PART 15 CLASS B WHEN TESTED WITH A RESISTIVE LOAD, BOTH CONDUCTED AND RADIATED  
  
 CE MARK : TESTED TO COMPLY WITH EN61000-3-2, EN61000-3-3 AND EN50082-1 INCLUDING EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-11 LEVEL 4, UNIT IS ELIGIBLE FOR CE MARK.  
  
 MTBF: GREATER THAN 50,000 HOURS AT 25°C AMBIENT TEMPERATURE  
 OPERATING TEMPERATURE: 0°C TO 45° C, DERATE LINEARY TO 60% OUTPUT POWER AT 60°C  
 STORAGE TEMPERATURE: -40°C TO 80° C  
 HUMIDITY: 0% TO 90% RELATIVE HUMIDITY  
 WEIGHT: 0.55 kg REF.

DASH NO.	PART NO	REV.	DESCRIPTION	NOTES
<b>TABULATION BLOCK</b>				
REVISION	A	A	A	
SHEET	1	2	3	
INIT.BY: EM	DATE:	TOLERANCES: DECIMALS ANGULAR .xx +/- 0.1 +/- 1° .xxx +/- .005		 <b>GlobTek, Inc.</b> 186 Veterans Dr. Northvale, NJ 07647 Tel. 201-784-1000 Fax 201.784.0111 www.globtek.com
DATE:	09/15/03	MILLIMETERS ANGULAR .xx +/- 0.3 +/- 1° .xxx +/- .013		
DRAWN: NF	DATE:	FSCN No.:	SIZE	DWG TITLE: SWITCHING POWER SUPPLY,DUAL OUTPUT: 5V/3A; 24V/1.8A, ENCLOSED, UNIVERSAL INPUT
APRVD : DR	DATE:	G, Y	A	MODEL NO: D-60B
	09/15/03	SCALE: NONE		REV. A
				PART NO: <b>D-60B</b>
				SHEET 1 OF 3

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### 3. MECHANICAL: MM


**3.1. CONFIGURATION:** ENCLOSED SWITCHING POWER SUPPLY, AL. ALLOY 3003 OR EQUIVALENT, GOLD IRRIDITE, CHEM. TREATED FINISH,, CHASSIS: "U" CHANNEL, WITH (5) MOUNTING METRIC INSERT M3, AS SHOWN BELOW: (2) BOTTOM; (3) RIGHT SIDE. COVER: "L" SHAPE WITH HOLES SCREENED PATTERN FOR NATURAL CONVECTION COOLING THERMAL TRANSFER.



**3.2. INPUT / OUTPUT CONNECTOR:** STRAIGHT MOUNT BARRIER STRIP, 7 POSITIONS, 9.5 MM PITCH FOR LUG/TERMINALS INPUT/OUTPUT HARNESS CONNECTIONS

### 3.3. WIRING DIAGRAM:

TERMINALS	FUNCTION
1	AC LINE
2	AC NEUTRAL
3	GROUND
4	+V2
5	+V1
6	COM
7	COM

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	DWG TITLE: SWITCHING POWER SUPPLY, DUAL OUTPUT: 5V/3A; 24V/1.8A, ENCLOSED, UNIVERSAL INPUT
MODEL NO: D-60B	REV. A
PART NO: <b>D-60B</b>	SHEET 2 OF 3


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**LABEL:**

MATERIAL: .007 (0.18) THICK FLAT THERMAL TRANSFER, IMPRINTABLE, WHITE OR GRAY POLYESTER SHEET WITH BLACK 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.

4.1. FIRST LABEL: INSTALLED ON TOP OF T1







**ITE POWER SUPPLY**

**P/N: D-60B**  
**MODEL: D-60B**  
**INPUT: 100-240 VAC 50-60 Hz 1.6A**  
**OUTPUT: +5VDC 3A; +24V 1.8A**

1: LINE  
 2: NEUTRAL  
 3: GND  
 4: +V2  
 5: +V1  
 6: COM  
 7: COM

**WWYY**

MADE IN XXXX

DATE CODE  
 WW - WEEK  
 YY - YEAR

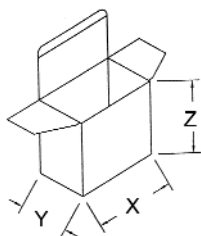
XXXX - USA OR CHINA

4.2. SECOND LABEL: INSTALLED ON COVER FACING TERMINAL BLOCK


**L N G +V2 +V1 COM COM**

**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 = 164 mm  
 Y = 42 mm  
 Z = 101 mm

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MODEL NO: D-60B	REV. A	
PART NO: <b>D-60B</b>	SHEET 3 OF 3	