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	REV	DESCRIPTION	DATE	APPROVED
	A	INITIAL RELEASE, RFS.7254, ES	10/18/05	DMR
	B	ADD NOTE P.1, RFS. 7448, SO	11/11/05	DMR
	C	ADD NOTE P.1, RFS. 7801, SO	01/20/06	DMR
	D	ADD RTV LOCATIONS, ROHS, RFS. 9706, SO	11/06/06	HM
	E	ADD COMPONENTS LOCATION, RFS. 9758, SO	11/13/06	HM
	F	ADD RTV MATERIAL, REMOVE BRACKETS, RFS. 9816, SO	11/28/06	HM



NOTE:

Add RTV to all Input and Output caps + transformer and torroids.

Component locations C1, LF1, C2, L1, Q3, L2, C3, C4, C9, C11, C18, C19, C20, C21, C25, C26, C35, C36, C42, C43, C44.

RYV Material DOW CORNING LDC737 or SE9590.



1. ELECTRICAL SPECIFICATIONS:

OUTPUT:

OUTPUT VOLTAGE : 12 V
 CURRENT (RATED): 16.7 A
 OUTPUT CURRENT RANGE: 0-16.7 A
 OUTPUT POWER (RATED): 200.4 WATTS
 RIPPLE & NOISE(PEAK TO PEAK): 100 mV P-P
 VOLTAGE ADJ.RANGE: 11.4 ~ 13.2 VDC
 LINE REGULATION: $\pm 0.5\%$
 LOAD REGULATION: $\pm 1.0\%$
 SETUP, RISE, HOLD-UP TIME: 600ms, 30 ms, 20 ms AT FULL LOAD


INPUT VOLTAGE: 85 ~ 264 VAC
 INPUT CURRENT: 3.5A/115VAC, 1.7A/230VAC
 INPUT FREQUENCY: 47 HZ - 63 HZ
 INRUSH CURRENT(MAX): COLD START 40A/230VAC
 LEAKAGE CURRENT: < 2 mA/240 VA
 EFFICIENCY: 79 % TYPICAL
 POWER FACTOR: PF<0.93/230VAC PF<0.98/115VAC AT FULL LOAD

OVER-LOAD PROTECTION: 105 ~ 150% OF RATE LOAD
 OVER-VOLTAGE PROTECTION: 8.25 ~ 10.13V
 OVER TEMPERATURE PROTECTION: 95°C $\pm 5^\circ\text{C}$

SAFETY STANDARDS : UL 1950, TUV EN60950 AND S-MARK J60950 APPROVALS
 DIELECTRIC WITHSTAND VOLTAGE: 3000VAC PRIMARY-SECONDARY; 1500 VAC PRIMARY- GROUND
 SPECIAL FUNCTION: 500 VAC SECONDARY-GROUND
 EMI: COMPLIANCE TO EN55022 (CISPR22)CLASS B
 MTBF: 183.8 K HRS MIN. MIL-HDBK-217F (25°C)

OPERATING TEMPERATURE: -10°C TO +60° C (-10°C 80% LOAD, 60°C 60% LOAD)
 STORAGE TEMPERATURE: -20°C TO 85° C, 10~95% RH
 TEMP.COEFFICIENT: $\pm 0.05\%/^\circ\text{C}$ (0~50°C) ON +5V OUTPUT
 VIBRATION: 10~500Hz, 2G 10 MIN./1CYCLE, PERIOD FOR 60 MIN. EACH ALONG X,Y,Z AXES
 ISOLATION RESISTANCE: I/P-O/P, I/P-FG, O/P-FG: 100 MOhms/500VDC
 HARMONIC CURRENT: COMPLIANCE TO EN61000-3-2,-3 CLASS A
 EMS IMMUNITY: COMPLIANCE TO EN61000-4-2,3,4,5,6,8,11; ENV50204, EN55024, LIGHT INDUSTRY LEVEL, CRITERIA 'A'
 HUMIDITY: 20% TO 90% RELATIVE HUMIDITY
 WEIGHT: 0.8 kgs REF., 20 PCS/16 KG/1.28CUFT

- 1.All parameters are specified at 230VAC input, rated load, 25°C 70% RH. Ambient.
- 2.Tolerance: includes set up tolerance, line regulation, load regulation.
- 3.Ripple & noise are measured at 20MHz by using a 12" twisted pair terminated with a 0.1uf & 47uf capacitor.
- 4.The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.

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. www.globtek.com 186 Veterans Dr. Northvale, NJ 07647 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.	INIT.BY: ES	DATE: 10/18/05	MILLIMETERS ANGULAR .xx +/- 0.3 +/- 1° .xxx +/- .013	DWG TITLE: 200 W Single Output with PFC Function		
Contents of this document are subject to change without prior notice	DRAWN: NF	DATE: 10/18/05	FSCN No.: G, Y	SIZE A	MODEL NO: SP-200-12	REV. F
	APRVD :DMR	DATE: 10/18/05	SCALE: NONE		PART NO: SP-200-12GL(R)	SHEET 1 OF 3

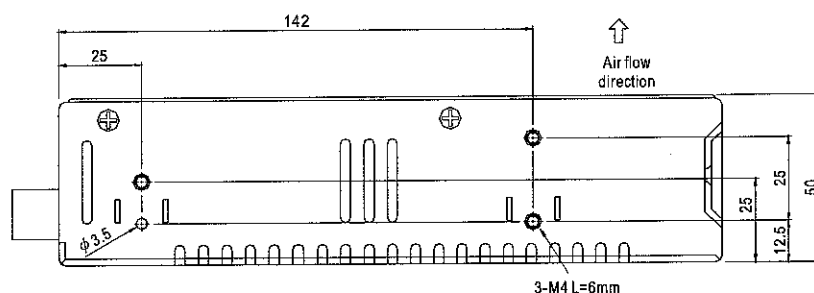
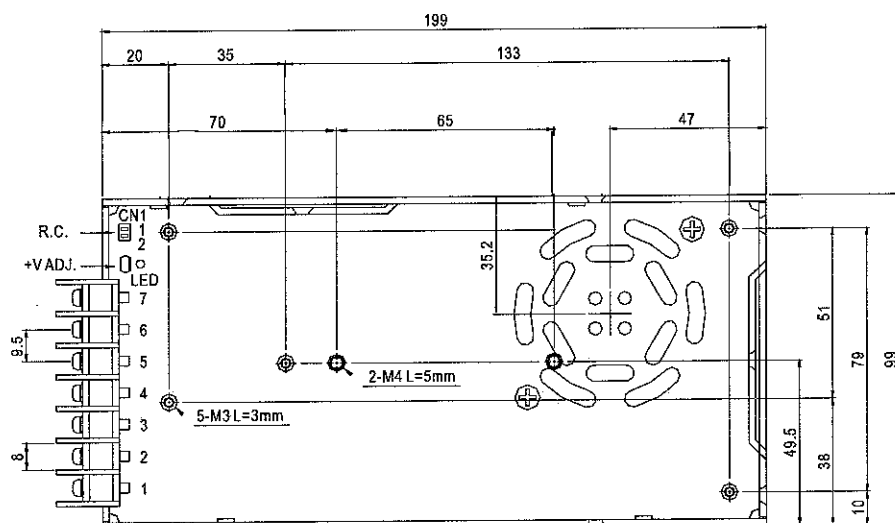
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2.1. NOTES:

SIZE: 199 x 99 x 50 mm

2.2. CONFIGURATION: ENCLOSED SWITCHING POWER SUPPLY, AL. ALLOY 3003 OR EQUIVALENT,
CHEM. TREATED FINISH,, CHASSIS: "U" CHANNEL, WITH (10) MOUNTING METRIC INSERTS AS SHOWN BELOW:
BOTTOM:(2) - M4 (L_{MAX} = 5 mm); (5) - M3 (L_{MAX} = 3 mm)
RIGHT SIDE: (3) - M4 (L_{MAX} = 6 mm)

2.2. INPUT / OUTPUT CONNECTOR: RIGHT ANGLE MOUNT BARRIER STRIP, 7 POSITIONS, 9.5 MM PITCH FOR LUG/TERMINALS INPUT/OUTPUT HARNESS CONNECTIONS



Pin No.	Assignment	Pin No.	Assignment
1	AC/L	4,5	DC OUTPUT -V
2	AC/N	6,7	DC OUTPUT +V
3	FG $\frac{\perp}{\perp}$		

Pin No.	Assignment	Mating Housing	Terminal
1	RC+	JST XHP or equivalent	JST SXH-001T-P0.6 or equivalent
2	RC-		

GlobTek, Inc.
www.globtek.com

186 Veterans Dr. Northvale, NJ 07647
Tel. 201-784-1000 Fax 201.784.0111

DWG TITLE: 200 W Single Output with PFC Function

MODEL NO: SP-200-12

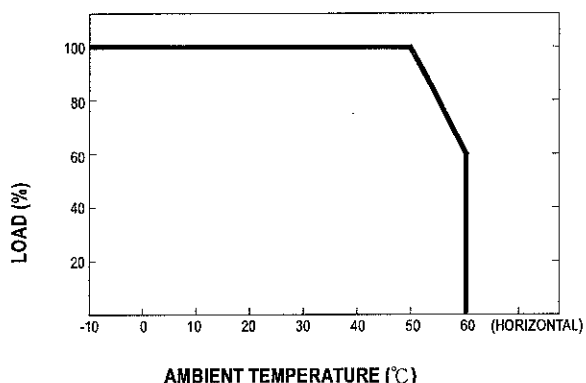
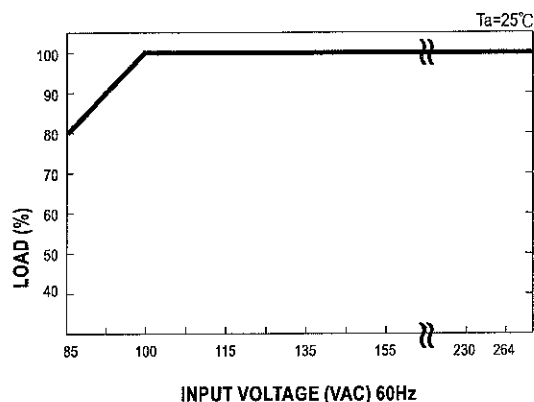
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PART NO: SP-200-12GL(R)

SHEET 2 OF 3

PROPRIETARY INFORMATION:

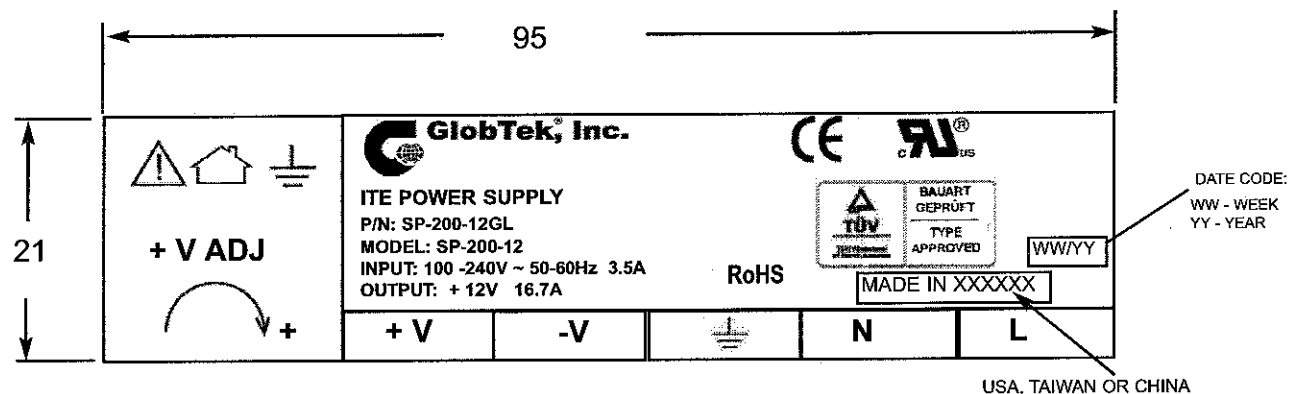
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Derating Curve**Output Derating VS Input Voltage****3. LABEL:**

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 COMPLEIS WITH APPLICABLE SAFETY REQUIREMENTS.

LABEL INSTALLED ON THE COVER FACING TERMINAL BLOCK.

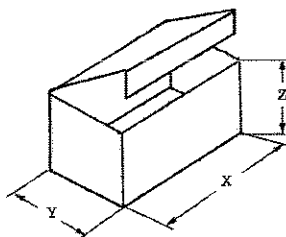


ACTUAL POSITIONING OF SYMBOLS AND TEXT IS SUBJECT TO CHANGE AT TIME OF MANUFACTURE

4. 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 = 220 mm

Y = 123 mm

Z = 50 mm

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SHEET 3 OF 3