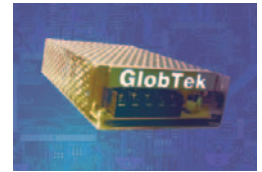




ISO 9001:2000
REGISTERED

GT-100 SERIES-100W

**100 Watts, Switchmode Power Supply,
Single Output, Enclosed, Universal Input**



ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:

85 VAC TO 264 VAC SELECTED BY SWITCH

INPUT CURRENT:

< 1.6 A RMS AT 90 VAC INPUT

INPUT FREQUENCY:

47 HZ - 63 HZ

OUTPUT CURRENT:

NO LOAD TO FULL LOAD, NO MINIMUM LOAD REQUIRED

OUTPUT POWER (RATED):

100 WATTS MAX

OUTPUT RIPPLE (PEAK TO PEAK):

100 mV (P-P) MODEL DEPENDENT

OUTPUT REGULATION (LINE/LOAD):

0.2% - 0.5% MODEL + OUTPUT DEPENDENT

LINE REGULATION:

TURN ON / TURN OFF OVERTHOOT:

4% MAX 500µS 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:

30 A MAX AT COLD START FOR N.A. (60A FOR EURO),
MODEL DEPENDENT

EFFICIENCY:

70% - 84 % TYPICAL, MODEL + OUTPUT DEPENDENT

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 IO

OTHER PROTECTION:

INPUT FUSING

SAFETY APPROVALS:

UL 1012, UL 60950 / 1950, CUL TO 22.2 # 234, 950, TUV TO
EN 60950, CE CLASS I

DIELECTRIC WITHSTAND VOLTAGE:

1500VAC PRIMARY-SECONDARY; 1500 VAC PRIMARY-
GROUND 500 VAC SECONDARY - GROUND

LEAKAGE CURRENT:

< 1 mA/240VAC

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

OUTPUT VOLTAGE / CURRENT:

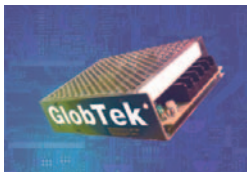
MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (mA)	RATED OUTPUT POWER (W)
GT-100-3	+ 3 +/-2%	20	0 - 100 W
GT-100-5	+ 5 +/-2%	20	0 - 100 W
GT-100-7.5	+ 7.5 +/-1%	13.6	0 - 100 W
GT-100-10	+ 10 +/-1%	10	0 - 100 W
GT-100-12	+ 12 +/-1%	8.5	0 - 100 W
GT-100-15	+ 15 +/-1%	6.7	0 - 100 W
GT-100-18	+ 18 +/-1%	5.6	0 - 100 W
GT-100-24	+ 24 +/-1%	4.5	0 - 100 W
GT-100-27	+ 27 +/-1%	3.7	0 - 100 W
GT-100-48	+ 48 +/-1%	2	0 - 100 W

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2000
REGISTERED

100 Watts, Switchmode Power Supply,
Single Output, Enclosed, Universal Input



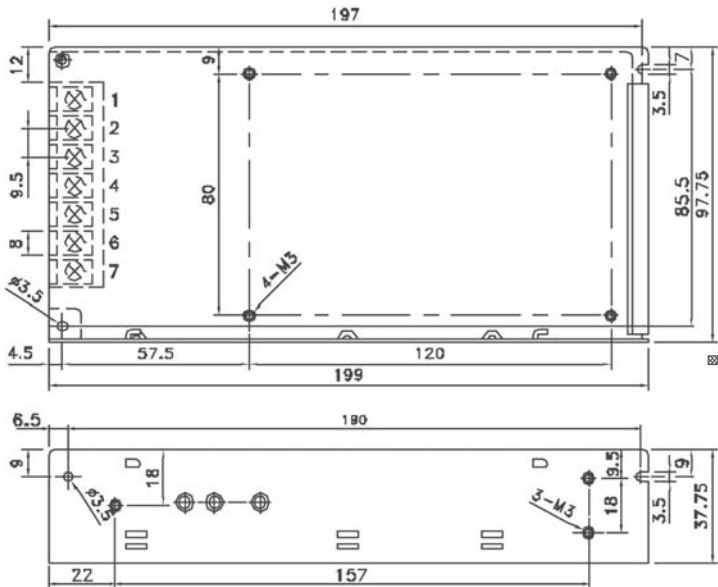
ENCLOSURES



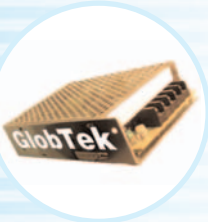
SIZE:

199 X 98 X 38 ± 1 MM

CONFIGURATION: ENCLOSED SWITCHING
POWER SUPPLY, AL. ALLOY 3003 OR
EQUIVALENT, GOLD IRRIDITE, CHEM.
TREATED FINISH,, CHASSIS: "U" CHANNEL,
WITH (7) MOUNTING METRIC INSERT M3,
AS SHOWN BELOW: (4) BOTTOM; (3)
RIGHT SIDE. COVER: "L" SHAPE WITH
HOLES SCREENED PATTERN FOR
NATURAL CONVECTION COOLING
THERMAL TRANSFER.

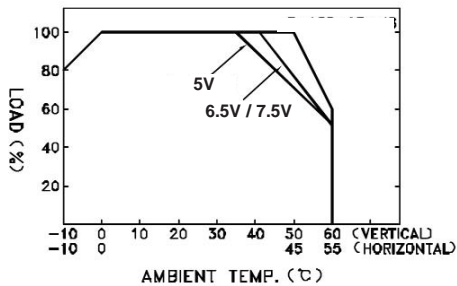


- ☒ TERMINAL PIN NO. ASSIGNMENT
- ☒ PIN 1,2 : AC INPUT
- ☒ PIN 3 : FG
- ☒ PIN 4,5 : DC OUTPUT -V
- ☒ PIN 6,7 : DC OUTPUT +V

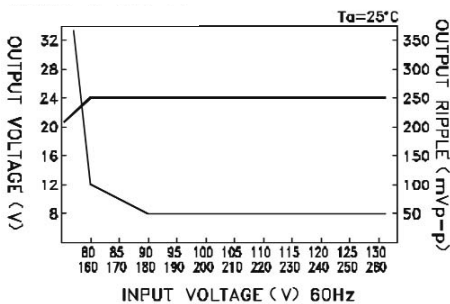


CHARTS

OUTPUT DERATING



STATIC CHARACTERISTICS



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