



ISO 9001:2008
REGISTERED



**18 Watts, Switcher, Single Output Family, DeskTop
Universal Input, ITE, Class I & II, Level V**



ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:
100 VAC TO 240 VAC

INPUT CURRENT:
<0.6 A RMS MAX

INPUT FREQUENCY:
47 HZ - 63 HZ

OUTPUT VOLTAGE:
SEE CHART BELOW

OUTPUT CURRENT:
NO MINIMUM LOAD REQUIRED TO MAINTAIN OUTPUT
VOLTAGE REGULATION

RATED OUTPUT POWER:
18 WATTS, MAXIMUM

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

OVER-VOLTAGE:
PROTECTED WITH ZENER CLAMP ACROSS OUTPUT

SHORT CIRCUIT:
PROTECTED, UNIT WILL RECOVER UPON REMOVAL OF FAULT

INPUT:
INPUT LINE FUSING

DIELECTRIC WITHSTAND VOLTAGE:
4242 VDC FROM PRIMARY TO SECONDARY

EARTH LEAKAGE:
<3.5 mA AT 240 VAC INPUT VOLTAGE

SAFETY APPROVAL:
UL60950-1, CUL TO 22.2 2nd EDITION #60950-1, NEMKO TO
60950-1, CCC TO GB4943-2001, GB9254-1998, GB17625.12003,
GOST-R, CE CLASS II, C-TICK TO 55022, 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,
EN61000-4-3, 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, 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)

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

NOTES:
DIMENSIONS ARE IN MM UNLESS SPECIFIED OTHERWISE.

**OUTPUT VOLTAGE / CURRENT:
CLASS II WITH FUNCTIONAL EARTH ITE MODEL OUTPUT RATING**

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
CLASS I MODEL OUTPUT RATING			
GT-41082-1805-X.X-T3(T3A)	+ 5.0	0 - 3.00	0 -18
GT-41082-1806-X.X-T3(T3A)	+ 6.0	0 - 3.00	0 -18
GT-41082-1809-X.X-T3(T3A)	+ 9.0	0 - 2.00	0 -18
GT-41082-1812-X.X-T3(T3A)	+ 12.0	0 - 1.50	0 -18
GT-41082-1815-X.X-T3(T3A)	+ 15.0	0 - 1.20	0 -18

CLASS II ITE MODEL OUTPUT RATING

GT-41082-1805-X.X-T2	+ 5.0	0 - 3.0	0 -18
GT-41082-1806-X.X-T2	+ 6.0	0 - 3.00	0 -18
GT-41082-1809-X.X-T2	+ 9.0	0 - 2.00	0 -18
GT-41082-1812-X.X-T2	+ 12.0	0 - 1.50	0 -18
GT-41082-1815-X.X-T2	+ 15.0	0 - 1.20	0 -18

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