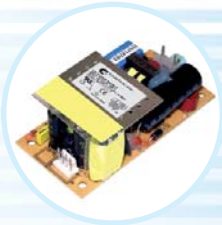
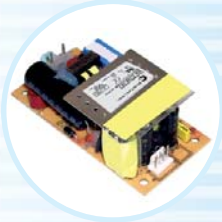
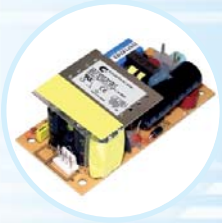
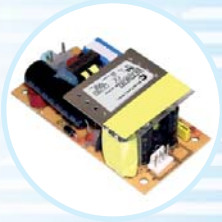
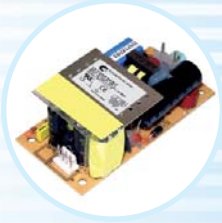
ISO 9001:2008
REGISTERED



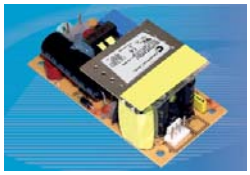








0-15 Watts, Switchmode, Single Output, 5V@ 3A (2.2"x3.9")
Open Frame, Universal Input, ITE Class I



Part Number Ordering System (See Page 302)

FOR INDOOR USE ONLY

ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:
90 VAC TO 264 VAC
INPUT CURRENT:
< 0.5 A RMS AT 90 VAC INPUT
INPUT FREQUENCY:
47 HZ - 63 HZ
OUTPUT VOLTAGE:
+ 5VDC @ 0-3.0A
OUTPUT CURRENT:
NO MINIMUM LOAD REQUIRED
OUTPUT POWER (RATED):
15 WATTS MAX
OUTPUT RIPPLE (PEAK TO PEAK):
≤ 1% TYP
OUTPUT REGULATION (LINE/LOAD):
± 2 % FOR MAIN OUTPUT, MEASURED AT O/P CONNECTOR
LINE REGULATION:
± 0.5 % MAX AT FULL LOAD
ADJUSTABILITY:
+10, -5% OUTPUT VOLTAGE
REMOTE SENSING (OPTION):
PROVIDES REGULATION WITHIN ± 1% OF NOMINAL VOLTAGE OF MAIN OUTPUT AT LOAD LEVEL. FOR 3.3V SINGLE OUTPUT, REMOTE IS REQUIRED.
TURN ON/ TURN OFF OVERSHOOT:
4% MAX 500uS MAX RECOVERY TIME FOR 25% STEP LOAD
TURN-ON DELAY:
1 SEC MAX
HOLD-UP TIME:
16 m SEC MIN AT NOMINAL INPUT AND FULL LOAD
INRUSH CURRENT:
20 A MAX AT COLD START FOR N.A. (40A FOR EURO)
EFFICIENCY:
75 % TYPICAL
SWITCHING FREQUENCY:
100 KHZ TYPICAL

OVER-VOLTAGE PROTECTION:
VOLTAGE LIMITED LESS 130% OF NOMINAL VOLTAGE
OVER-CURRENT / SHORT CIRCUIT:
HICCUP WITH AUTO RECOVERY TO 1.1 - 1.3 IO
OTHER PROTECTION:
INPUT FUSING
SAFETY APPROVALS:
UR TO UL 60950, C-UR TO 22.2 # 950, TUV TO EN 60950, CE CLASS I & II
DIELECTRIC WITHSTAND VOLTAGE:
4242VDC (3000 VAC) PRIMARY-SECONDARY;1500 VAC PRIMARY- GROUND
LEAKAGE CURRENT:
≤ 0.25 mA
LINE SURGE:
EN 61000-4-5 LEVEL 4
EMI:
COMPLIES WITH EN55022, 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 (SYSTEM LEVEL), EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-11, LEVEL 4.
MTBF:
GREATER THAN 200,000 HOURS AT 25°C AMBIENT TEMPERATURE
OPERATING TEMPERATURE:
0° C TO 40° 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-21098-1505	+ 5.0	0 - 3.0	0 - 15

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

0-15 Watts, Switchmode, Single Output, 5V@ 3A (2.2"x3.9")
Open Frame, Universal Input, ITE Class I

Part Number Ordering System (See Page 302)

ISO 9001:2008
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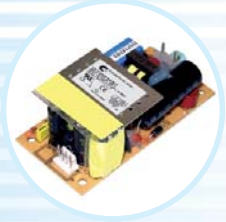
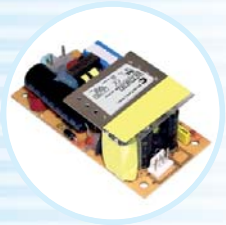
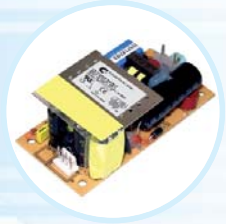
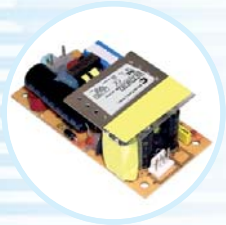
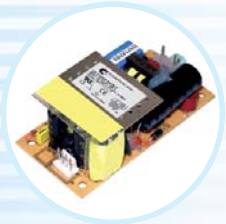






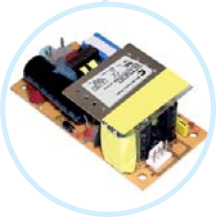
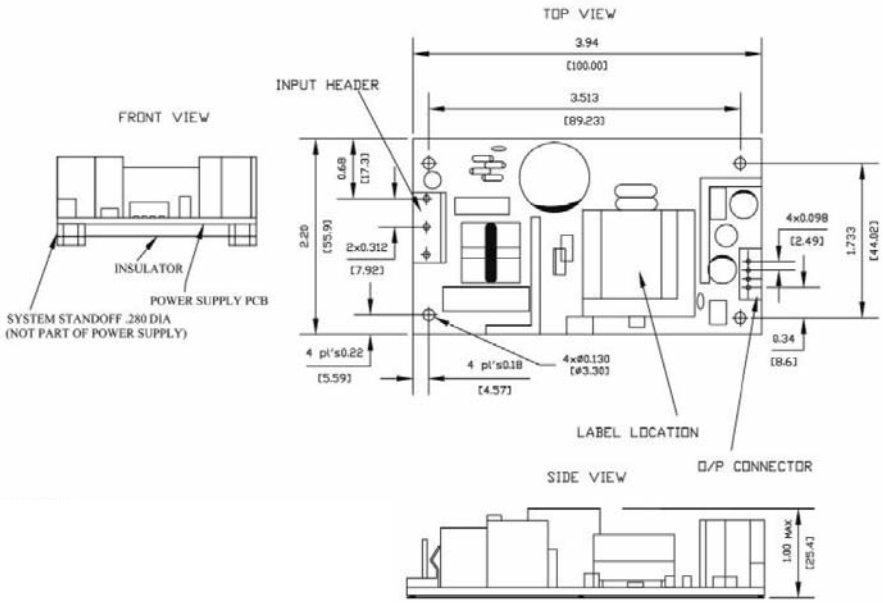




MECHANICAL CONFIGURATION:

INPUT CONNECTOR:
SQUARE PIN LOCKING HEADERS, WITH .312(7.92) BETWEEN CONDUCTORS, .045 (1.14) SQUARE PINS, TIN PLATED UL 94V-0 RATED NYLON HOUSING, MOLEX: 09-65-2038 (3 CIRCUITS, WITH 1 PIN REMOVED FOR CLASS II). HEADER MATES WITH MOLEX NO. 2139 CONNECTOR OR EQUIVALENTS.

OUTPUT CONNECTOR:
OPEN FRAME: 4 PIN STRAIGHT SQUARE PIN FULLY SHROUDED HEADER, MOLEX: 35312-0410 UL 94V-0 RATED NYLON HOUSING; .098(2.50) PITCH BETWEEN CONDUCTORS, .025(.64) SQUARE PINS, TIN PLATED, HEADER MATCH WITH MOLEX # 35155 CONNECTORS OR EQUIVALENT.



OPTION:
10 MIL 94V-0 FIBER GLASS (2.17 X 3.90) INCH, W/4HOLES MATCHING MOUNTING HOLE POSITIONS, TERMINAL BOARD WITH RTV UNDERNEATH THE POWER PC BOARD IN 6 PLACES.