

SPECIFICATION FOR APPROVAL

CUSTOMER:

5607-00191

CUSTOMER P/N:

2K9S0575

MODEL NO.:

A3-43T01-V-F4A

REV.:


DESCRIPTION:

Switching Adapter Desk Top (L3P)

100-240Vac±10%,+5V/5A,+12V/1.2A,-12V/0.3A(RoHS)

ISSUED DATE:

January 09, 2009

PUBLICATION	CONFIRMATION
	 3-30-09

MODEL NO.: A3-43T01-V
 CUSTOMER P/N:
 DESCRIPTION: Switching Adapter +5V/5A, +12V/1.2A, -12V/0.3A
 ISSUED DATE: January 23, 2009
 REVISION NO.: Original

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00	Initial Released	2009/1/23
REV	DESCRIPTION	DATE

APP. BY	CHK. BY	PRE. BY
<i>John</i> 2009/1/23	<i>John</i> 2009/1/23	Louis 2009/1/23

1.0 INPUT REQUIREMENTS

1.1 AC VOLTAGE:

90Vac TO 264Vac FULL RANGE UNIVERSAL INPUT

1.2 FREQUENCY:

47Hz TO 63 Hz

1.3 AC CURRENT:

1.5A MAX.

1.4 INRUSH CURRENT:

60A MAX. AT 230Vac, COLD START

2.0 OUTPUT REQUIREMENTS

2.1 OUTPUT REGULATION, RIPPLE AND NOISE, CURRENT:

OUTPUT VOLTAGE	(2) OUTPUT TOLERANCE	(1) RIPPLE &NOISE	LOAD	
			MIN	MAX
+ 5 Vdc	+4.75V~+5.25V	50mVp-p	0.0A	5.0A
+12Vdc	+11.4V~+12.8V	120mVp-p	0.0A	1.2A
- 12Vdc	- 11.4V~ -12.6V	200mVp-p	0.0A	0.3A

NOTE:

(1) MEASURING IS DONE BY 20MHZ BANDWIDTH LIMITED OSCILLOSCOPE AND TERMINATED EACH OUTPUT WITH 0.1uF AND 10uF CAPACITORS.

(2) THE OUTPUT TOLERANCE IS MEASURED AT BELOW CONDITIONS AND SHALL REMAIN WITHIN THE LIMITS:

(a) THE OUTPUT TOLERANCE FOR +5V, +12V AND -12V ARE MEASURED BY CHANGING THE MEASURED OUTPUT LOAD FROM 20% TO 100% OF MAX LOAD, AND KEEP THE OTHER OUTPUT AT 20% OR 100% OF MAX LOAD.

(b) ALL OUTPUT LOAD KEEPS AT MIN OR MAX.

2.2 OVERSHOOT:

OVERSHOOT SHOULD NOT EXCEED 10% OVER NOMINAL VOLTAGE

2.3 RISE TIME:

50mS MAX.

2.4 HOLD-UP:

16mS MIN. AT 120Vac

3.0 EFFICIENCY

THE SWITCHER SHOULD PROVIDE DC CONVERSION EFFICIENCY MINIMUM 70% AT FULL LOAD, 115Vac INPUT

4.0 PROTECTION REQUIREMENTS

4.1 OVER VOLTAGE PROTECTION:

8V MAX. AT +5V OUTPUT

4.2 SHORT CIRCUIT PROTECTION:

THE SWITCHER SHOULD AUTO-RECOVER IN CASE ANY SHORT-CIRCUIT SHOULD OCCUR AT ANY DC OUTPUT

5.0 ENVIRONMENTAL

5.1 OPERATING:

TEMPERATURE 0 TO 40°C

RELATIVE HUMIDITY 20% TO 80% RH

5.2 STORAGE:

TEMPERATURE -20 TO 80°C

RELATIVE HUMIDITY 10% TO 90% RH

6.0 EMI REQUIREMENTS

THE SWITCHER DESIGNED TO MEET BELOW STANDARDS.

FCC CLASS B

CNS 13438 CLASS B

CISPR CLASS B

7.0 SAFETY REQUIREMENTS

7.1 SAFETY REGULATION:

THE SWITCHER DESIGNED TO MEET BELOW STANDARDS.

UL 60950

CUL 22.2 No.950

TUV EN60950.

7.2 LEAKAGE CURRENT:

0.75mA MAX.

7.3 DIELECTRIC STRENGTH:

INPUT TO OUTPUT: 1800Vac(10mA) @ 1 S

7.4 FG ISOLATED FROM DC GND

8.0 RELIABILITY

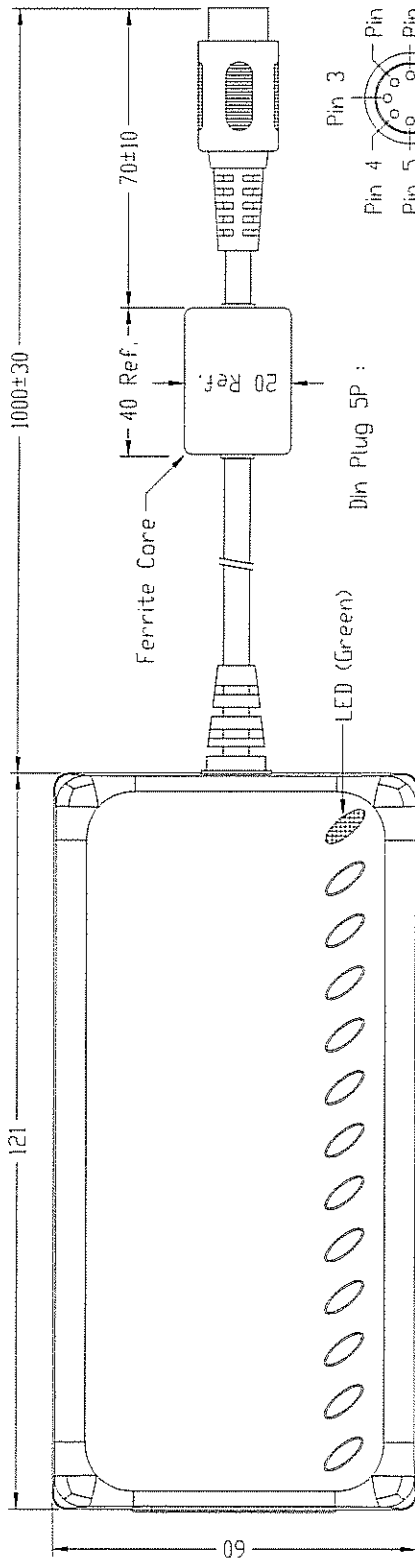
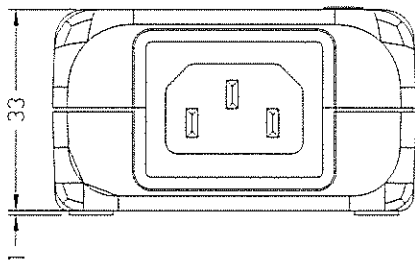
8.1 MTBF: 50000 HOURS

8.2 B-TEST:

VIBRATION, SHOCK, ALTITUDE, STATIC COMPRESSION, DROP... ETC, PLEASE REFER TO B-TEST PROCEDURE

9.0 DIMENSIONS

SEE ASSEMBLY DRAWING



Din Plug 5P :

- Pin 1, 3: DC GND
- Pin 2: -12V
- Pin 4: +12V
- Pin 5: +5V
- Pin Shell: FG (ISOLATED FROM DC GND)

Label 1:

MULTIPLE OUTPUT POWER ADAPTER

MODEL: A3-43T01-V

INPUT: 100-240V~, 1.5A, 50-60Hz

OUTPUT:

- +5V --- 5.0A
- +12V --- 1.2A
- 12V --- 0.3A

FOR I.T.E. USE ONLY

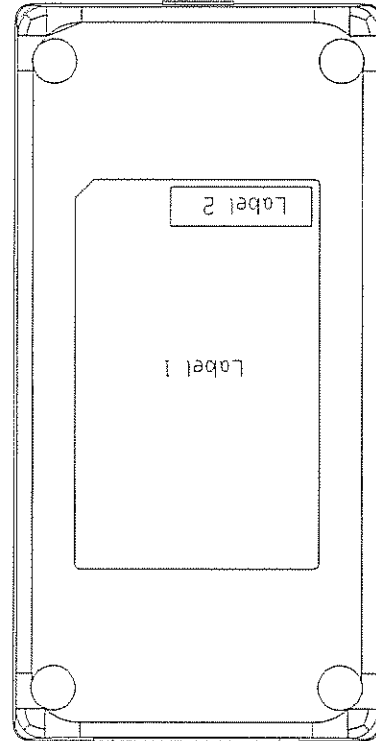
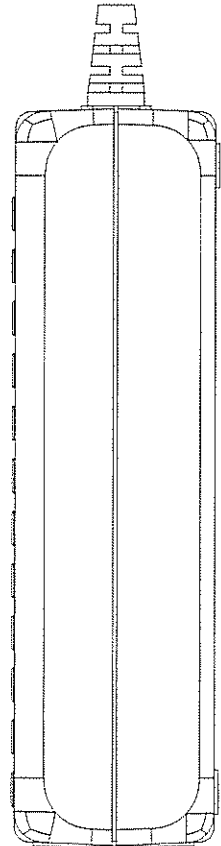
CAUTION: REFERRED FOR INSTALLATION BY A PROFESSIONAL ENVIRONMENT.

SHOCK HAZARD: DO NOT OPEN.

UL LISTED 5063 15007

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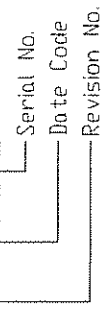
RoHS EXEMPT



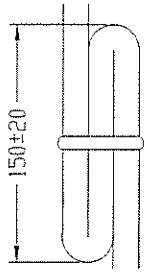
Label 2:

RXXXXXXXXXX
MADE IN CHINA FV

- *China Factory: "MADE IN CHINA FV"
- *Taiwan Factory: "MADE IN TAIWAN"
- *S/N: RXX XXXX XXXX



20AWG UL#2464/5C+1 Black



Unit: mm.

COMMON TOLERANCE	Unit: mm.
0 - 5	±0.4
5 - 10	±0.6
10 - 50	±0.8
50 - 100	±1.0
100 -	±1.0%

A3-43T01-V-F4A(?)-APS)	
PART NO.	
Outline/A3-43T01-V-F4A(?)-APS)	
PART NAME	
DRAW NO.	

REV	DESCRIPTION	DATE	SIGN	APP BY	CHK BY	DRW BY
00	Initial Released	2009/01/14	Louis	Jahn	Louis	Louis
				2009/01/14	2009/01/14	2009/01/14

*XX: Label Manufacturer Code