

File E186249
Project 98NK80521

Issued: June 29, 1998
Revised: June 22, 2006

REPORT

On

*COMPONENT - POWER SUPPLIES, INFORMATION TECHNOLOGY EQUIPMENT

**Astec International Ltd Philippines Branch
Quezon City, Philippines**

Copyright © 2006 Underwriters Laboratories Inc.

Underwriters Laboratories Inc. authorizes the above named company to reproduce this Report provided it is reproduced in its entirety.

Underwriters Laboratories Inc. authorizes the above named company to reproduce that portion of this Report consisting of this Cover Page through Page 2.

DESCRIPTION

PRODUCT COVERED:

Component - Switching Power Supply, Model LPT61 for use in Information Technology Equipment.

ELECTRICAL RATINGS:

MODEL	INPUT	OUTPUT	
LPT61	AC 100-250 V, 2.3 A 50/60/440 Hz OR DC 120 V minimum - 300 V, 1.5 A	DC + 3.3 V	8.5 A
		DC +5 V	3 A
		DC +12 V	1 A

MAXIMUM CONTINUOUS OUTPUT POWER: 35 W Convection Cooling
55 W with 30 CFM forced air cooling

ENGINEERING CONSIDERATIONS: (NOT FOR FIELD REPRESENTATIVE'S USE)

General - For use only in complete equipment where the acceptability of the combination is determined by Underwriters Laboratories Inc.

*Both USR and CNR indicate investigation to the Standard for Safety of Information Technology Equipment, UL 60950-1, **Second** Edition, CAN/CSA C22.2 No. 60950-1-**07**.

Conditions of Acceptability - When installed in the end-use equipment, the following are the considerations to be made:

- *1. This component has been judged on the basis of the required creepages and clearances in the **Second** Edition of the Standard for Information Technology Equipment, UL 60950-1, **Second** Edition, CAN/CSA C22.2 No. 60950-1-**07**, Sub-clause 2.10, which covers the end-use product for which the component was designed.
2. A suitable enclosure shall be provided by end system.
3. This power supply has only been evaluated for use in pollution degree 2 environment.
4. Both the primary and secondary output connectors have not been evaluated for field connections.

- *5. The secondary output of the power supply is unearthed non-energy hazard SELV. 2.2.4 is used to maintain the insulation of SELV from other circuits.
- *6. This power supply has been evaluated for use in Class I equipment as defined in UL 60950-1, **Second** Edition, CAN/CSA C22.2 No. 60950-1-07 and shall be properly earthed or bonded to earth ground in the end-use. An additional evaluation shall be made if the power supply is intended for use in other than Class I equipment.
- 7. This power supply is not directly connected to earth ground of the branch circuit, they shall be properly bonded to earth ground in the end-use product.
- *8. This power supply was evaluated under the assumption that the power source is a TN system as defined by UL 60950-1, **Second** Edition, CAN/CSA C22.2 No. 60950-1-07.
- 9. This power supply have been evaluated for use in a 25°C and 50°C ambient. Total output power is derated by 2.5% per °C from 50°C to 70°C ambient.
- 10. Considerations shall be given in measuring the temperature of the power electronic components, inductors and transformer windings when the power supply is installed in the end-use equipment.
- 11. Transformer T1 employs a Class F electrical insulation system.
- 12. The input connector, Type A396-T-DS was suitable for conductors in the range 24-16 AWG. And insulating bodies are molded of materials having a maximum temperature rating of 105°C. The use of these materials shall be judged in the end-use application.