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REPORT

On

*COMPONENT - POWER SUPPLIES, INFORMATION TECHNOLOGY EQUIPMENT

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Quezon City, Philippines**

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DESCRIPTION

PRODUCT COVERED

USR, CNR Component - Switching Power Supply, Model LPT41 for use in Information Technology Equipment.

ELECTRICAL RATINGS:

MODEL	INPUT	OUTPUT	
LPT41	AC 100-250 V, 1.6 A 50/60/440 Hz	DC + 3.3 V	7 A
	OR	DC +5 V	2 A
	DC 120 V minimum - 300 V, 1.0 A	DC +12 V	0.7 A

MAXIMUM CONTINUOUS OUTPUT POWER: 25 W Convection Cooling
40 W with 30CFM 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 per UL 60950-1, **Second** Edition, CAN/CSA C22.2 No. 60950-1-**07**, **Second** Edition were 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 UL 60950-1, **Second** Edition, CAN/CSA C22.2 No. 60950-1-**07**, **Second** Edition 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-S 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 B 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