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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 Supplies, Models LPQ352 and LPQ353 for use in Information Technology Equipment.

ELECTRICAL RATINGS:

MODEL	INPUT	OUTPUT	
LPQ352	AC 100-240 V, 7 A	DC + 5 V	50 A
	50/60 Hz	DC +12 V	12 A
	DC 120 V minimum -	DC -12 V	6 A
	300 V maximum, 4.5 A	DC +3.3 to +24 V	6 A
LPQ353	AC 100-240 V, 7 A	DC + 5 V	50 A
	50/60 Hz	DC +15 V	12 A
	DC 120 V minimum -	DC -15 V	6 A
	300 V maximum, 4.5 A	DC +3.3 to +24 V	6 A

Maximum continuous output power: 350 W with 30 cfm forced air.

***TECHNICAL** CONSIDERATIONS: (NOT FOR FIELD REPRESENTATIVE'S USE)

General - These units are for use in products 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. These components have 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**, Subclause 2.10, which covers the end-use product for which the components were designed.
2. These power supplies have only been evaluated for use in a Pollution Degree 2 environment.

3. Considerations shall be given to measuring the temperature on power electronic components, inductors and transformer windings when the power supply is installed in the end-use equipment. Transformers T1 and T2 employ Class F electrical insulation systems.
4. The input and the secondary output connectors have not been evaluated for field connections.
5. The secondary outputs of these power supplies are unearthed energy hazard SELV.
- *6. These power supplies have 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 supplies are intended for use in other than Class I equipment.
7. These power supplies have been evaluated for use in 25°C and 50°C ambient.
- *8. These power supplies were evaluated with 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. A suitable enclosure shall be provided by end system.
10. These power supplies were evaluated under a force air cooling condition when cover fan or end fan is not provided.