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REPORT

on

COMPONENT - POWER SUPPLIES, INFORMATION TECHNOLOGY EQUIPMENT
INCLUDING ELECTRICAL BUSINESS EQUIPMENT

Astec Custom Power (Philippines) Inc.
Metro Manila, Philippines

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DESCRIPTION

PRODUCT COVERED:

* Component - Switching Power Supplies, Models AA20270 and LCT43-E for use in Information Technology Equipment, including Electrical Business Equipment.

ELECTRICAL RATINGS:

<u>Model</u>	<u>Input</u>	<u>Output</u>
* AA20270, LCT43-E	100-240 V ac 1.5 A 50/60 Hz	DC -12 V, 0.5 A max DC +5 V, 7.5 A max DC +12 V, 1.2 A max

MAXIMUM CONTINUOUS OUTPUT POWER:

47 W

ENGINEERING 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.

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 Third Edition of the Standard for Information Technology Equipment Including Electrical Business Equipment, UL 1950, Sub-clause 2.9, and 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 in measuring the temperature of power electronic components: inductors and transformer windings when the power supplies are installed in the end-use equipment.
4. The secondary output connectors have not been evaluated for field connections.

- *5. The secondary output of the power supplies is unearthed non- energy hazard SELV. Method 1 Sub-Clause 2.3 is used to maintain the insulation of SELV from primary circuits.
- *6. These power supplies have been evaluated for use in Class I equipment as defined in UL 1950, Third Edition and shall be properly earthed or bonded to earthed 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-S system as defined by UL 1950, Third Edition.
- 9. A suitable enclosure shall be provided by the end system.
- 10. Transformer T1 employs Class F Electrical Insulation System.
- *11. These power supplies have only been evaluated under a specific ventilation setup with forced air cooling. Refer to the illustration on the operating instructions for details of ventilation condition.

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