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**File E133211
Project 92SC04055**

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REPORT

ON

**COMPONENT-POWER SUPPLY, INFORMATION TECHNOLOGY EQUIPMENT
INCLUDING ELECTRICAL BUSINESS EQUIPMENT**

**Astec America Inc.
Oceanside, California**

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D E S C R I P T I O N

PRODUCT COVERED

Component Power Supply, Information Technology Equipment, Model 1200W-X VS series, where X is one digit 0 through 9.

ELECTRICAL RATINGS -

<u>Model</u>	<u>Input</u>	<u>Output (DC)</u>
1200W-X VS	385 V dc 4 A	X: 0 = 2 V, 240 A 1 = 3.3 V, 240 A 2 = 5 V, 240 A 3 = 12 V, 100 A 4 = 15 V, 80 A 5 = 24 V, 50 A 6 = 28 V, 42.8 A 7 = 36 V, 33.2 A 8 = 2-48 VDC, 240-25 A 9 = 48 V, 25 A

Maximum total continuous output with minimum 112 cfm forced air cooling:

600 W in a 50°C ambient, 360 W in a 70°C ambient.

ENGINEERING CONSIDERATIONS (NOT FOR FIELD REPRESENTATIVE USE):

This product was investigated under the Standard for Information Technology Equipment, UL 1950, First Edition, dated March 15, 1989.

Use - For use only in (or with) complete equipment where the acceptability of the combination is determined by Underwriters Laboratories Inc.

Conditions of Acceptability - When installed in the end-use equipment, consideration shall be given to the following:

1. This component has been judged on the basis of the required spacings in the Standard for Information Technology Equipment, Sub-Clause 2.9, which would cover the component itself if submitted for unrestricted Listing.
2. An acceptable enclosure shall be provided in the end-use.
3. The terminals and connectors have not been evaluated for field wiring.
4. This power supply was evaluated for connection to a TN power system.
5. This power supply is considered a Class I product. The power supply shall be properly bonded to the main earthing termination in the end-use.
6. Bonding terminals provided on this equipment have not been evaluated as protective earthing terminals.
7. This power supply has outputs that exceed 240 VA at a potential of 2 V or more.
8. This power supply has been evaluated for use in a 50°C ambient at full rated output, 70°C ambient at 60% rated output. A 112 cfm external reversible fan was utilized during testing.
9. All isolating transformers employ a Class A electrical insulation system, except the isolating transformers T1 and Inductor L1 of the heat radiator assemblies, which employ Recognized Component Insulation Systems (OBJY2), each designated Class H (180).
10. This unit not provided with over-current protection. An external 25 A fuse was provided during this evaluation. Further evaluation may be necessary if provided with a fuse rated higher than 25 A or if not provided with any overcurrent protection.

CONSTRUCTION DETAILS:

Internal Wiring - Unless otherwise noted, Listed or Recognized Component Appliance Wiring Material (AVLV2), rated min 105°C, 400 V. PVC, TFE, PTFE, FEP, or neoprene or surface marked "VW-1". All wiring routed away from sharp edges and moving parts.

Printed Wiring Boards - See Section General.

Insulating Tubing/Sleeving - Recognized Component Extruded Tubing, Electrical (YDPU2); or Tubing, Processed (YDRY2), or Sleeving, Coated Electrical (UZFT2), rated min. 105°C, 400 V.

Nameplate Marking - Recognized Company's name and model designation are provided on permanent label, see Section General, Page 4.