File E135493
Project 03ME03912

2003-03-14

REPORT

on

COMPONENT-POWER SUPPLIES

Vicor Corporation
Andover, MA

DESCRIPTION

PRODUCT COVERED:

USR, CNR: Component – Harmonic Attenuation Module, Model MiniHAM1xyz.

GENERAL CHARACTER AND USE:

This product is a passive harmonic current attenuation module. It is provided with input and output terminals for connection to the end use equipment (designed for building-in). The component has been investigated to CAN/CSA C22.2 No. 60950-00, UL60950 Third Edition, CAN/CSA C22.2 No. 950-95, UL1950 Third Edition, Standard for Information Technology Equipment.

NOMENCLATURE BREAKDOWN:

MiniHAM1xyz

x = Product Grade C or T
- C = -20 °C to +100 °C
- T = -40 °C to +100 °C

y = Pin Style 1, 2, S, or N
- 1 = Short Pin
- 2 = Long Pin
- S = Short ModuMate
- N = Long ModuMate

z = Baseplate 1, 2, or 3
- 1 = Slotted
- 2 = Threaded
- 3 = Thru-hole

ELECTRICAL RATINGS:

Input / Output : 375 V dc, 3.75 A

ENGINEERING CONSIDERATIONS (NOT FOR UL REPRESENTATIVE USE):

For use only in or with equipment 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 among the considerations to be made.

1. These components have been judged on the basis of the required spacing in the Standard for Information Technology Equipment, CAN/CSA C22.2 No. 60950-00 UL 60950, Third Edition which is based on IEC 60950, Third Edition CAN/CSA C22.2 No. 950-95, UL1950 Third Edition including revisions through date March 1, 1998, based on the Fourth Amendment to IEC 950, Second Edition.

2. The component should be installed in compliance with the enclosure, mounting, spacing, casualty, and segregation requirements of the ultimate application.

3. The input and output terminals are not acceptable for field connections and are only intended for connection to a suitable mating connector or PWB in the end-use equipment.

4. The baseplate temperature should be measured in the end product and should not exceed 100°C.

5. When baseplate is accessible, ground baseplate to earth/chassis ground in end-product.

Special Considerations - The following items are considerations that were used when evaluating this product.

The equipment is designed for building-in.

USR/CNR, indicates investigation to the U.S. and Canadian (Bi-National) Standard for Safety of Information Technology Equipment, Including Electrical Business Equipment, CAN/CSA C22.2 No. 60950-00, UL1950 Third Edition which is based on IEC 60950 and CAN/CSA C22.2 No. 950-95, UL1950, Third Edition, including revisions dated through March 1, 1998 which are based on the Fourth Amendment to IEC 950, Second Edition.

CONSTRUCTION DETAILS:

Nameplate Marking – Recognized Company’s name or model number.

Recognition Mark for Products Evaluated to Canadian Requirements - Each UL Recognized component evaluated to the Canadian Standard for Safety of Information Technology Equipment, Including Electrical Business Equipment is marked with the UL Recognized Component Mark for Canada.

Soldered Connections - All soldered connections are mechanically secured before soldering.

Corrosion Protection - Parts are of corrosion resistant material or are potted, plated, or painted as corrosion protection.

Tolerances - Unless specified otherwise, all indicated dimensions are nominal.