

File E141114
SR6680308

July 28, 2005

REPORT

ON

COMPONENT - INFORMATION TECHNOLOGY EQUIPMENT,
INCLUDING ELECTRICAL BUSINESS EQUIPMENT

Maxim Integrated Products
Sunnyvale, CA

Copyright © 2005 Underwriters Laboratories Inc.

Underwriters Laboratories Inc. authorizes the above named company to reproduce this Report provided it is reproduced in its entirety.

Underwriters Laboratories Inc. authorizes the above named company to reproduce that portion of the Report consisting of this Cover Page through Page 1.

DESCRIPTION

PRODUCT COVERED:

- * USR CNR - Component Reverse Charging Protection Integrated Circuit Chip, Model DS3231# and DS3232# and DS3234#, DS32B35#, DS32C35#, DS1390#, DS1391#, DS1392#, DS1393#, DS1394# where # may be **any combination of symbols, letters, and/or numbers that describe non-safety related characteristics.**

ELECTRICAL RATINGS:

Not required.

ENGINEERING CONSIDERATIONS (NOT FOR FIELD REPRESENTATIVE'S USE):

USR, CNR indicates investigation to the UL Standard for Safety of Information Technology Equipment, UL 60950-1 - STANDARD FOR SAFETY FOR INFORMATION TECHNOLOGY EQUIPMENT - SAFETY - PART 1: GENERAL REQUIREMENTS - Edition 1 - Revision Date 2007/10/31

CSA C22.2 NO. 60950-1 (1ST ED.) - INFORMATION TECHNOLOGY EQUIPMENT SAFETY PART 1: GENERAL REQUIREMENTS - Edition 1 - Revision Date 2006/07/07

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

Reverse current measurement tests are conducted on 100% of production line. See Appendix A.

Conditions Of Acceptability - Consideration should be given to the following when determining the acceptability of these devices in specific applications.

1. These devices are normally intended for use as components where replacement is done by a trained technician.
2. These devices are intended for use as components in SELV circuitry only where the physical case temperature is not expected to exceed 95°C and the voltage on any pin relative to ground is a maximum of 5.75 V dc.
4. The maximum reverse current measurement rating for the Reverse Charging Protection Integrated Circuit Chips in this report is 250 nanoamps.
5. This device has reverse current protection.

Model Differences:

All models in this report are similar in construction, intended function to model **DS3231#** except for chip size and reverse charging battery protection circuit.

Model DS3234# has the identical reverse charging battery protection circuit as Models DS3231# and DS3232#.