



Product/Process Change Notice - PCN 12_0131 Rev. -

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This notice is to inform you of a change that will be made to certain ADI products (see Material Report). Any issues with this PCN or requirements to qualify the change (additional data or samples) must be sent to ADI within 30 days of publication date. ADI contact information is listed below.

PCN Title: ADP1046 Data Sheet Changes

Publication Date: 07-Jun-2012

Effectivity Date: 07-Jun-2012 *(the earliest date that a customer could expect to receive changed material)*

Revision Description:

Initial Release

Description Of Change

Changes to Data Sheet:

Reference attached datasheet – highlighted changes in yellow indicate a modification, Red is delete.

1. UVP Propagation delay from 80ns to 80us
2. RTD 10uA current max. limit from 10.75uA to 10.85uA
3. Measurement accuracy input range on RTD 0V-160mV for 10mV-160mV
4. VS1 Fast OVP threshold high limit from 1.25% to 1.60%
5. Add VS1 Fast OVP limits for other thresholds as +/-2.06% (min/max)
6. CS1 fast OCP from 1.18V-1.21V to 1.184V-1.216V (min/max)
7. Remove CS2 leakage
8. Change V_{il} and V_{ih}
9. Change in reg 0x31 on page 65 that is highlighted in red is deleted.
10. VS1 fast OVP comparator....added the 'other thresholds'.....is highlighted in elect spec table.
11. Change to FLAG in threshold as highlighted.
12. Added ACSNS to abs max rating table.
13. Typo in the datasheet. The functionality of the part does not change. Page 43, the table should have 0x00 and 0x05 interchanged. (see attachment for more details).
14. Typo in the datasheet. The functionality of the part does not change. Page 44, the table should have 0x00 and 0x01 interchanged. (see attachment for more details).

Reason For Change

Correction of text in data sheet and minor limit changes to accurately reflect device actual limits measured in characterization.

Impact of the change (positive or negative) on fit, form, function & reliability

There will be no impact on the fit, form, function and reliability of the device.

Product Identification *(this section will describe how to identify the changed material)*

N/A

Summary of Supporting Information

The above changes will be reflected in Rev A of the ADP1046 data sheet.

Comments

None

Supporting Documents

Attachment 1: Type: Revised Datasheet Specification

ADI_PCN_12_0131_Rev_-_ADP1046_Change to Data Sheet.doc

For questions on this PCN, send email to the regional contacts below or contact your local ADI sales representative

Americas: PCN_Americas@analog.com	Europe: PCN_Europe@analog.com	Japan: PCN_Japan@analog.com
		Rest of Asia: PCN_ROA@analog.com

Appendix A - Affected ADI Models

Added Parts On This Revision - Product Family / Model Number (2)

ADP1046 / ADP1046ACPZ-R7	ADP1046 / ADP1046ACPZ-RL			
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Appendix B - Revision History

Rev	Publish Date	Effectivity Date	Rev Description
Rev. -	07-Jun-2012	07-Jun-2012	Initial Release

Analog Devices, Inc.

DocId:1990 Parent DocId:None Layout Rev:7