



Product/Process Change Notice - PCN 16_0084 Rev. -

Analog Devices, Inc. Three Technology Way Norwood, Massachusetts 02062-9106

This notice is to inform you of a change that will be made to certain ADI products (see Appendix A) that you may have purchased in the last 2 years. **Any inquiries or requests with this PCN (additional data or samples) must be sent to ADI within 30 days of publication date.** ADI contact information is listed below.

PCN Title: HMC974 Die Revision and Data Sheet Change
Publication Date: 18-Aug-2016
Effectivity Date: 16-Nov-2016 *(the earliest date that a customer could expect to receive changed material)*

Revision Description:

Initial Release

Description Of Change

The HMC974 was changed to allow higher supply voltage (V_{CCO}) levels on the output stage.

The data sheet limits for V_{CCO} supply will change as follows:

V_{CCO} minimum:
From 0.0v to 1.8V

V_{CCO} maximum (limit will be independent of both input frequency and temperature):
From 2.10V @ -40C (Input Frequency of 0 to 4GHz) to 3.465V
From 2.45V @ 25C (Input Frequency of 0 to 4GHz) to 3.465V
From 1.90V @ -40C (Input Frequency greater than 4GHz) to 3.465V
From 2.10V @ 25C (Input Frequency greater than 4GHz) to 3.465V

Reason For Change

The change was needed to allow higher supply voltage (V_{CCO}) levels on the output stage.

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

An improvement to the output stage to make the product more reliable over higher output supply levels.
Fit, form and function were not changed.

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

For HMC974 the changeover date code is: 1613

Summary of Supporting Information

The new silicon was validated as being functional and production tested.

The changes will be reflected in data sheet: Rev C

Supporting Documents None

For questions on this PCN, please send an email to the regional contacts below or contact your local ADI sales representatives.

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 (3)

HMC974 / HMC974LC3C

HMC974 / HMC974LC3CTR

HMC974 / HMC974LC3CTR-R5

Appendix B - Revision History

Rev	Publish Date	Effectivity Date	Rev Description
Rev. -	18-Aug-2016	16-Nov-2016	Initial Release

Analog Devices, Inc.

DocId:3676 Parent DocId:3607 Layout Rev:7