



## Product/Process Change Notice - PCN 10\_0062 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 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:** OP249 Data sheet and Die Changes.

**Publication Date:** 30-Apr-2010

**Effectivity Date:** 29-Jul-2010 *(the earliest date that a customer could expect to receive changed material)*

### Revision Description:

Initial Release

### Description Of Change

Datasheet changes:

OP249A

VOS = +/-0.75mV

TCVOS = 10uV/C

OP249F

VOS = +/-0.90mV

TCVOS = 12uV/C

OP249G

No Changes

The OP249 has a minor mask change to improve a diode performance. The Ceramic DIP products will use a lower stress passivation. Both mask and passivation changes have been previously qualified into the military version of the product.

### Reason For Change

The transfer of the OP249 to our ADWIL wafer fab identified the product to have more Vos variation.

The mask change is to improve a diode performance in stability. The passivation change is to improve the material VOS performance in the Ceramic DIP package. The limit changes allow the part to be manufacturable, and in line with the Military Product offerings.

The SOIC material is changing maintain a single mask set in wafer fab.

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

The data sheet will relax the Vos performance at Room temp, but will not change the over temperature limits. The die changes do not have a negative impact on the performance, fit, form or reliability.

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

New Material will be identified by date code and can potentially be seen as early as June, 20th 2010, Date Code 1025.

### Summary of Supporting Information

Qualification will be performed per ADI0012, Procedure for Qualification of New or Revised Processes. See attached Qualification Plan. Attached Mil/Aero Group C Qualification Report for OP249, and OP249 Data sheet.

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### Supporting Documents

**Attachment 1: Type:** Test Correlation Report

ADI\_PCN\_10\_0062\_Rev\_-\_GROUP\_C\_OP249\_E143870 9.pdf

**Attachment 2: Type:** Datasheet Specification Comparison  
ADI\_PCN\_10\_0062\_Rev\_-\_OP249 RevG From-To Table PCN 10\_0062.pdf

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**Attachment 3: Type:** Revised Datasheet Specification  
ADI\_PCN\_10\_0062\_Rev\_-\_OP249 Rev G.pdf

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**Attachment 4: Type:** Qualification Plan Summary  
ADI\_PCN\_10\_0062\_Rev\_-\_OP249\_Qual Plan.pdf

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

<b>Americas:</b>	PCN_Americas@analog.com	<b>Europe:</b>	PCN_Europe@analog.com	<b>Japan:</b>	PCN_Japan@analog.com
				<b>Rest of Asia:</b>	PCN_ROA@analog.com

**Appendix A - Affected ADI Models**

**Added Parts On This Revision - Product Family / Model Number (10)**

OP249 / OP249AZ	OP249 / OP249FZ	OP249 / OP249GP	OP249 / OP249GFZ	OP249 / OP249GS	OP249 / OP249GS-REEL
OP249 / OP249GS-REEL7	OP249 / OP249GSZ	OP249 / OP249GSZ-REEL	OP249 / OP249GSZ-REEL7		

**Appendix B - Revision History**

<b>Rev</b>	<b>Publish Date</b>	<b>Rev Description</b>
Rev -	30-Apr-2010	Initial Release

Analog Devices, Inc.

DocId:1048 Parent DocId:None Layout Rev:3