



## Product/Process Change Notice - PCN 10\_0158 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:** Increase ADF5001 output power level from -8dBm typ. differential output power to -2dBm typ. The minimum output level increases from -12dBm to -7dBm. Branding change to small package code.

**Publication Date:** 28-Jun-2010

**Effectivity Date:** 26-Sep-2010 *(the earliest date that a customer could expect to receive changed material)*

### Revision Description:

Redesign of ADF5001 to increase output power level and change branding

### Description Of Change

Redesign the bias circuitry arrangements on the ADF5001 to increase the current consumption and consequently provide additional power at the output.

Change the branding to small package branding code

Top brand line 1 : Q1S

Top brand line2 : #3 Digit Date Code

### Reason For Change

Increase output power on ADF5001 to ensure it always exceed the input sensitivity requirement for ADF4106/ADF4153/ ADF4156 PLLs. This ensures that the ADF5001 can always be operated successfully with Analog PLL family.

Correct brand instruction needs to be used to fit small package

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

No change to form, fit or functionality.

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

All ADF5001 parts with datecode later than 006

### Summary of Supporting Information

The part has been fully re-characterised and a summary of the data is attached.

### Supporting Documents

#### Attachment 1: Type:

ADI\_PCN\_10\_0158\_Rev\_-\_ADF5001 Final - High Power Edit.mht

**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 (2)**

ADF5001 / ADF5001BCPZ

ADF5001 / ADF5001BCPZ-RL7

**Appendix B - Revision History**

<b>Rev</b>	<b>Publish Date</b>	<b>Rev Description</b>
Rev. -	28-Jun-2010	Redesign of ADF5001 to increase output power level and change branding

Analog Devices, Inc.

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