



Product/Process Change Notice - PCN 23_0062 Rev. -

Analog Devices, Inc. One Analog Way, Wilmington, MA 01887, USA

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:	ADPA7005 Die and Data Sheet Revision
Publication Date:	09-Jun-2023
Effectivity Date:	11-Sep-2023 <i>(the earliest date that a customer could expect to receive changed material)</i>
Revision Description:	Initial Release.

Description Of Change:

1. Modify die to increase detector range.
2. Data Sheet Changes:
 - >The HBM ESD rating will change from: 500V to 250V.
 - >Add frequency band "Gain flatness" and "Gain variation" over temperature change slightly.
 - >A new frequency band is established, 20 GHz to 22 GHz. The old frequency band was 20 GHz to 34 GHz.

Reason For Change:

1. Die changed to improve RF detector performance.
2. Data sheet is being revised to reflect actual product performance.

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

No change to fit, form, or function. Improved RF detector performance.

Summary of Supporting Information:

Qualification has been performed per Industry Standard Test Methods. See attached Qualification Report.

Data Sheet changes will be reflected in Product Data Sheet Revision A.

Supporting Documents

Attachment 1: Type: Datasheet Specification Comparison

[ADI_PCN_23_0062_Rev - ADPA7005_Specification_Changes.pdf...](#)

Attachment 2: Type: Qualification Results Summary

[ADI_PCN_23_0062_Rev - Qualification_Report.pdf...](#)

Note: If applicable, the device material declaration will be updated due to material change.

ADI Contact Information:

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

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

Appendix A - Affected ADI Models:

Added Parts On This Revision - Product Family / Model Number (1)

ADPA7005 / ADPA7005CHIP

Appendix B - Revision History:			
Rev	Publish Date	Effectivity Date	Rev Description
Rev. -	09-Jun-2023	11-Sep-2023	Initial Release.