



## Product/Process Change Notice - PCN 24\_0001 Rev. -

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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.

<b>PCN Title:</b>	ADA4945-1 Data Sheet Correction
<b>Publication Date:</b>	06-May-2024
<b>Effectivity Date:</b>	06-May-2024 <i>(the earliest date that a customer could expect to receive changed material)</i>
<b>Revision Description:</b>	Initial Release.

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### Description Of Change:

Correction to the data sheet Input Voltage Noise (Differential), Integrated Voltage Noise, and Input Current Noise typical specifications:

For  $V_S = 10\text{ V}$ ,  $V_S = 5\text{ V}$ , and  $V_S = 3\text{ V}$ .

Input Voltage Noise (Differential),  $f = 10\text{ Hz}$   
Low Power Mode; from 7 to 6 nV/rtHz (Typ).

Input Voltage Noise (Differential),  $f = 100\text{ kHz}$ .  
Full Power Mode; from 1.8 to 2.0 nV/rtHz (Typ).  
Low Power Mode; from 3 to 3.5 nV/rtHz (Typ).

Integrated Voltage Noise, 0.1 Hz to 10 Hz.  
Low Power Mode; from 25 to 35 nV rms (Typ).

Input Current Noise,  $f = 10\text{ Hz}$ .  
Full Power Mode; from 11 to 17 pA/rtHz (Typ).  
Low Power Mode; from 4 to 7 pA/rtHz (Typ).

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### Reason For Change:

Data sheet correction to accurately reflect device capabilities.

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

There is no impact to fit, form, function, & reliability.

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### Summary of Supporting Information:

No qualification necessary as there is no change to the device. Updated noise specifications will be reflected in Rev A of the ADA4945-1 Product Data Sheet.

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### Supporting Documents

**Attachment 1: Type:** Datasheet Specification Comparison

[ADI\\_PCN\\_24\\_0001\\_Rev\\_-ADA4945-1\\_Data\\_Sheet\\_Comparison.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:	Korea:	Rest of Asia:
<a href="mailto:PCN_Americas@analog.com">PCN_Americas@analog.com</a>	<a href="mailto:PCN_Europe@analog.com">PCN_Europe@analog.com</a>	<a href="mailto:PCN_Japan@analog.com">PCN_Japan@analog.com</a>	<a href="mailto:PCN_Korea@analog.com">PCN_Korea@analog.com</a>	<a href="mailto:PCN_ROA@analog.com">PCN_ROA@analog.com</a>

**Appendix A - Affected ADI Models:**

**Added Parts On This Revision - Product Family / Model Number (3)**

ADA4945-1 / ADA4945-1ACPZ-R2

ADA4945-1 / ADA4945-1ACPZ-R7

ADA4945-1 / ADA4945-1ACPZ-RL

**Appendix B - Revision History:**

<b>Rev</b>	<b>Publish Date</b>	<b>Effectivity Date</b>	<b>Rev Description</b>
Rev. -	06-May-2024	06-May-2024	Initial Release.