



## Product/Process Change Notice - PCN 20\_0367 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:** HMC8410/HMC8411 Data Sheet Revision

**Publication Date:** 19-Feb-2021

**Effectivity Date:** 19-Feb-2021 *(the earliest date that a customer could expect to receive changed material)*

### Revision Description:

Initial Release.

### Description Of Change:

HMC8410CHIPS Data Sheet Thermal Resistance - From: 75.57 C/W, To: 125.85 C/W.

HMC8410LP2FE Data Sheet Thermal Resistance - From: 67.73 C/W, To: 128.92 C/W.

HMC8411LP2FE Data Sheet Thermal Resistance - From: 82 C/W, To: 115.35 C/W.

HMC8411TCPZ-EP Data Sheet Thermal Resistance - From: 82 C/W, To: 115.35 C/W.

HMC8411LP2FE Data Sheet Minimum P1dB Compression Over the 6 to 10 GHz Frequency Range: From: 14 dBm, To: 13dBm.

HMC8411TCPZ-EP Data Sheet Minimum P1dB Compression Over the 6 to 10 GHz Frequency Range: From: 14 dBm, To: 13dBm.

### Reason For Change:

HMC8410CHIPS/HMC8410LP2FE/HMC8411LP2FE/HMC8411TCPZ-EP Data Sheet Thermal Resistance - Updated thermal analysis to reflect more accurately the device performance.

HMC8411LP2FE/HMC8411TCPZ-EP Data Sheet Minimum P1dB Compression - Properly account for performance variations observed during Production Lot testing.

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

No change to device form, fit and reliability. Changes should be reviewed to determine if any system and/or documentation changes are required at the customer site.

### Summary of Supporting Information:

HMC8410CHIPS New Product Data Sheet Thermal Resistance Rev C.

HMC8410LP2FE New Product Data Sheet Thermal Resistance Rev D.

HMC8411LP2FE New Product Data Sheet Thermal Resistance Rev C.

HMC8411TCPZ-EP New Product Data Sheet Thermal Resistance & Minimum P1dB Compression from 6 GHz to 10 GHz Rev A.

HMC8411LP2FE New Product Data Sheet Minimum P1dB Compression from 6 GHz to 10 GHz Rev A.

### Supporting Documents

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

ADI\_PCN\_20\_0367\_Rev\_-\_HMC8410 Die Datasheet Update PCN.pdf

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**Attachment 2: Type:** Datasheet Specification Comparison

ADI\_PCN\_20\_0367\_Rev\_-\_HMC8410LP2FE Datasheet Update PCN.pdf

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**Attachment 3: Type:** Datasheet Specification Comparison

ADI\_PCN\_20\_0367\_Rev\_-\_HMC8411LP2FE Datasheet Update PCN.pdf

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**Attachment 4: Type:** Datasheet Specification Comparison

ADI\_PCN\_20\_0367\_Rev\_-\_HMC8411TCPZ-EP Datasheet Update PCN.pdf

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 (12)**

HMC8410 / HMC8410CHIPS	HMC8410 / HMC8410CHIPS-SX	HMC8410 / HMC8410LP2FE	HMC8410 / HMC8410LP2FETR	HMC8411 / AD45294
HMC8411 / AD45294TR	HMC8411 / HMC8411LP2FE	HMC8411 / HMC8411LP2FETR	HMC8411 / HMC8411TCPZ-EP-PT	HMC8411 / HMC8411TCPZ-EP-R7
HMC8411 / HMC8411XCHIP	HMC8411 / HMC8411XP2FE			

**Appendix B - Revision History**

<b>Rev</b>	<b>Publish Date</b>	<b>Effectivity Date</b>	<b>Rev Description</b>
Rev. -	19-Feb-2021	19-Feb-2021	Initial Release.

Analog Devices, Inc.

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