



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

Attachment 2: Type: Datasheet Specification Comparison

ADI_PCN_20_0367_Rev_-_HMC8410LP2FE Datasheet Update PCN.pdf

Attachment 3: Type: Datasheet Specification Comparison

ADI_PCN_20_0367_Rev_-_HMC8411LP2FE Datasheet Update PCN.pdf

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			
Rev	Publish Date	Effectivity Date	Rev Description
Rev. -	19-Feb-2021	19-Feb-2021	Initial Release.

Analog Devices, Inc.

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