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**FINAL PRODUCT/PROCESS CHANGE NOTIFICATION #16953**

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Generic Copy

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**Issue Date:** 15-Jan-2013

**TITLE:** AMIS49587C587 datasheet update with changed specifications limits for second and third order harmonic distortion and low and high threshold level on ALC\_IN.

**PROPOSED FIRST SHIP DATE:** 15-Apr-2013

**AFFECTED CHANGE CATEGORY(S):** Test

**FOR ANY QUESTIONS CONCERNING THIS NOTIFICATION:**

Contact your local ON Semiconductor Sales Office or Tom De Mulder < [Tom.DeMulder@onsemi.com](mailto:Tom.DeMulder@onsemi.com) >

**SAMPLES:** Contact your local ON Semiconductor Sales Office or Sandrine Devos  
< [Sandrine.DEVOS@onsemi.com](mailto:Sandrine.DEVOS@onsemi.com) >

**ADDITIONAL RELIABILITY DATA:** Available

Contact your local ON Semiconductor Sales Office or Tom De Mulder < [Tom.DeMulder@onsemi.com](mailto:Tom.DeMulder@onsemi.com) >

**NOTIFICATION TYPE:**

Final Product/Process Change Notification (FPCN)

Final change notification sent to customers. FPCNs are issued at least 90 days prior to implementation of the change.

ON Semiconductor will consider this change approved unless specific conditions of acceptance are provided in writing within 30 days of receipt of this notice. To do so, contact < [quality@onsemi.com](mailto:quality@onsemi.com) >.

**DESCRIPTION AND PURPOSE:**

Following datasheet parameter were changed. All changes are applicable to either a minimum or maximum limit that was changed. All changes can be found in below table:

Table in AMIS-49587 Datasheet	Parameter	Symbol	Change description
Table 10: Transmitter External Parameters	Second order harmonic distortion	HD2	Change <b>max limit</b> from -56dB to -54dB
	Third order harmonic distortion	HD3	Change <b>max limit</b> from -58dB to -56dB
	Low threshold level on ALC_IN	VTL <sub>ALC_IN</sub>	Change <b>min limit</b> from -0.46V to -0.49V
	High threshold level on ALC_IN	VTH <sub>ALC_IN</sub>	Change <b>min limit</b> from -0.68V to -0.71V

**FINAL PRODUCT/PROCESS CHANGE NOTIFICATION #16953****RELIABILITY DATA SUMMARY:**

This is not applicable as the changes only apply to parameters limit test changes.

**ELECTRICAL CHARACTERISTIC SUMMARY:**

Device specification changes can be found in part "Description and purpose".

**CHANGED PART IDENTIFICATION:**

The device will not be changed. All changes apply to the **device specification changes** listed above.

**List of affected General Parts:**

AMIS49587C5871G
AMIS49587C5871RG
AMIS49587C5872G
AMIS49587C5872RG