ON Semiconductor

# FINAL PRODUCT/PROCESS CHANGE NOTIFICATION #16953

Generic Copy

**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>

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

**ADDITIONAL RELIABILITY DATA:** Available
Contact your local ON Semiconductor Sales Office or Tom De Mulder< 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>.

**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 **max limit** from -56dB to -54dB |
| | Third order harmonic distortion | HD3 | Change **max limit** from -58dB to -56dB |
| | Low threshold level on ALC_IN | $VTL_{ALC_IN}$ | Change **min limit** from -0.46V to -0.49V |
| | High threshold level on ALC_IN | $VTH_{ALC_IN}$ | Change **min limit** from -0.68V to -0.71V |

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## 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 |