



**12500 TI Boulevard, MS 8640, Dallas, Texas 75243**

**Notification# 20161231002  
Datasheet for LM5005  
Information Only**

**Date:** January 06, 2017  
**To:** Newark/Farnell PCN

Dear Customer:

This is an information-only announcement of a change to a device that is currently offered by Texas Instruments.

The changes discussed within this notification are for your information only.

Any negotiated alternative change requirements will be provided via the customer's defined process. Customers with previously negotiated, special requirements will be handled separately. Any inquiries should be directed to your local Field Sales Representative.

For questions regarding this notice, contact your local Field Sales Representative or the PCN Manager ([PCN\\_ww\\_admin\\_team@list.ti.com](mailto:PCN_ww_admin_team@list.ti.com)).

Sincerely,

PCN Team  
SC Business Services

**Information Only  
Attachments**

**Products Affected:**

The devices listed on this page are a subset of the complete list of affected devices. According to our records, these are the devices that you have purchased within the past twenty-four (24) months. The corresponding customer part number is also listed, if available.

<b>DEVICE</b>	<b>CUSTOMER PART NUMBER</b>
LM5005MH/NOPB	null

Technical details of this Product Change follow on the next page(s).

<b>PCN Number:</b>	20161231002	<b>PCN Date:</b>	Jan. 6, 2017
<b>Title:</b>	Datasheet for LM5005		
<b>Customer Contact:</b>	<a href="#">PCN Manager</a>	<b>Dept:</b>	Quality Services
<b>Change Type:</b>			
<input type="checkbox"/>	Assembly Site	<input type="checkbox"/>	Design
<input type="checkbox"/>	Assembly Process	<input checked="" type="checkbox"/>	Data Sheet
<input type="checkbox"/>	Assembly Materials	<input type="checkbox"/>	Part number change
<input type="checkbox"/>	Mechanical Specification	<input type="checkbox"/>	Test Site
<input type="checkbox"/>	Packing/Shipping/Labeling	<input type="checkbox"/>	Test Process
		<input type="checkbox"/>	Wafer Bump Site
		<input type="checkbox"/>	Wafer Bump Material
		<input type="checkbox"/>	Wafer Bump Process
		<input type="checkbox"/>	Wafer Fab Site
		<input type="checkbox"/>	Wafer Fab Materials
		<input type="checkbox"/>	Wafer Fab Process

### Notification Details

#### Description of Change:

Texas Instruments Incorporated is announcing an information only notification.

The product datasheet(s) is being updated as summarized below.

The following change history provides further details.



LM5005

SNVS397E – SEPTEMBER 2005 – REVISED NOVEMBER 2016

#### Changes from Revision D (March 2013) to Revision E

Page

• Added ESD Ratings table, Feature Description section, Device Functional Modes, Application and Implementation section, Power Supply Recommendations section, Layout section, Device and Documentation Support section, and Mechanical, Packaging, and Orderable Information section .....	1
• Deleted Simplified Application Schematic image .....	1
• Added Typical Application Circuit image .....	1
• Changed Junction to Ambient, $R_{\theta JA}$ , value in the Thermal Information table From: 40 To: 35.2 .....	5
• Changed Junction to Case, $R_{\theta JC(bot)}$ , value in the Thermal Information table From: 4 To: 1.2 .....	5
• Changed Efficiency vs $I_{OUT}$ and $V_{IN}$ graph .....	7
• Deleted $R_{RAMP}$ to $V_{CC}$ for $V_{OUT} > 7.5V$ figure .....	13
• Added Connection of External Ramp Resistor to VCC when $V_{OUT} > 7.5 V$ figure .....	13

The datasheet number will be changing.

Device Family	Change From:	Change To:
LM5005	SNVS397D	SNVS397E

These changes may be reviewed at the datasheet links provided.

<http://www.ti.com/product/LM5005>

#### Reason for Change:

To more accurately reflect device characteristics.

#### Anticipated impact on Fit, Form, Function, Quality or Reliability (positive / negative):

No anticipated impact. This is a specification change announcement only. There are no changes to the actual device.

#### Changes to product identification resulting from this PCN:

None.

#### Product Affected:

LM5005MH	LM5005MH/NOPB	LM5005MHX/NOPB
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For questions regarding this notice, e-mails can be sent to the regional contacts shown below or your local Field Sales Representative.

<b>Location</b>	<b>E-Mail</b>
USA	<a href="mailto:PCNAmericasContact@list.ti.com">PCNAmericasContact@list.ti.com</a>
Europe	<a href="mailto:PCNEuropeContact@list.ti.com">PCNEuropeContact@list.ti.com</a>
Asia Pacific	<a href="mailto:PCNAsiaContact@list.ti.com">PCNAsiaContact@list.ti.com</a>
Japan	<a href="mailto:PCNJapanContact@list.ti.com">PCNJapanContact@list.ti.com</a>