



12500 TI Boulevard, MS 8640, Dallas, Texas 75243

**PCN# 20130828000
INA271-HT Data Sheet
Change Notification / Sample Request**

Date: 8/29/2013
To: MOUSER PCN

Dear Customer:

This is an announcement of a change to a device that is currently offered by Texas Instruments. The details of this change are on the following pages.

We request you acknowledge receipt of this notification within **30** days of the date of this notice. Lack of acknowledgement of this notice within 30 days constitutes acceptance of the change. If you require samples or additional data to support your evaluation, please request within 30 days.

The changes discussed within this PCN will not take effect any earlier than **90** days from the date of this notification, unless customer agreement has been reached on an earlier implementation of the change. This notification period is per TI's standard process.

This notice does not change the end-of-life status of any product. Should product affected be on a previously issued product withdrawal/discontinuance notice, this notification does not extend the life of that product or change the life time buy offering/discontinuance plan.

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
Phone: +1(214) 480-6037
Fax: +1(214) 480-6659

20130828000
Attachment: 1

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.

DEVICE	CUSTOMER PART NUMBER
INA271SHKJ	null

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

PCN Number:	20130828000			PCN Date:	08/29/2013
Title:	INA271-HT Data Sheet				
Customer Contact:	PCN Manager	Phone:	+1(214)480-6037		Dept: Quality Services
Proposed 1st Ship Date:	11/29/2013	Estimated Sample Availability:	Date provided upon request		
Change Type:					
<input type="checkbox"/> Assembly Site	<input type="checkbox"/> Assembly Process	<input type="checkbox"/> Assembly Materials			
<input type="checkbox"/> Design	<input checked="" type="checkbox"/> Electrical Specification	<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			

PCN Details

Description of Change:

The product datasheet(s) is being updated to update IQ high at 210C to 1.6mA

The following change history provides further details. These changes may be reviewed at the datasheet links provided.

From (page 5):



INA271-HT

www.ti.com

SBOS521C – SEPTEMBER 2010 – REVISED APRIL 2012

ELECTRICAL CHARACTERISTICS (continued)

At $T_A = +25^\circ\text{C}$, $V_S = +5\text{V}$, $V_{CM} = +12\text{V}$, $V_{SENSE} = 100\text{mV}$, and PRE OUT connected to BUF IN, unless otherwise noted.

PARAMETER	CONDITIONS	$T_A = -55^\circ\text{C to } 125^\circ\text{C}$			$T_A = -55^\circ\text{C to } 175^\circ\text{C}$			$T_A = 210^\circ\text{C}$			UNIT
		MIN	TYP	MAX	MIN	TYP	MAX	MIN	TYP	MAX	
NOISE < RTI⁽⁷⁾											
Voltage Noise Density	e_n		40						40		nV/ $\sqrt{\text{Hz}}$
POWER SUPPLY											
Operating Range	V_S	2.7		18				2.7		18	V
Quiescent Current	I_Q		740	1200				1160	1300	1300	μA
	$V_{OUT} = 2\text{V}$ $V_{SENSE} = 0\text{mV}$		350	950				895			
TEMPERATURE RANGE											
Specified Temperature Range		-55		125				-55		210	$^\circ\text{C}$
Operating Temperature Range		-55		125				-55		210	$^\circ\text{C}$

To (page 5):



INA271-HT

www.ti.com

SBOS521D – SEPTEMBER 2010 – REVISED AUGUST 2013

ELECTRICAL CHARACTERISTICS (continued)

At $T_A = +25^\circ\text{C}$, $V_S = +5\text{V}$, $V_{CM} = +12\text{V}$, $V_{SENSE} = 100\text{mV}$, and PRE OUT connected to BUF IN, unless otherwise noted.

PARAMETER	CONDITIONS	$T_A = -55^\circ\text{C}$ to 125°C			$T_A = -55^\circ\text{C}$ to 175°C			$T_A = 210^\circ\text{C}$			UNIT
		MIN	TYP	MAX	MIN	TYP	MAX	MIN	TYP	MAX	
NOISE < RTI ⁽⁷⁾											
Voltage Noise Density	e_n		40						40		nV/ $\sqrt{\text{Hz}}$
POWER SUPPLY											
Operating Range	V_S	2.7		18				2.7		18	V
Quiescent Current	I_Q		740	1200					1160	1600	μA
	$V_{SENSE} = 0\text{mV}$		350	950					895	1600	
TEMPERATURE RANGE											
Specified Temperature Range		-55		125				-55		210	$^\circ\text{C}$
Operating Temperature Range		-55		125				-55		210	$^\circ\text{C}$

The datasheet number will be changing.

Device Family	Change From:	Change To:
INA271-HT	SBOS521C	SBOS521D

The updated datasheet(s) can be accessed by the following link(s):

<http://www.ti.com/product/ina271-ht>

Reason for Change:

To more accurately reflect device characteristics.

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

Electrical specification performance changes as indicated above.

Changes to product identification resulting from this PCN:

None

Product Affected:

INA271SHKJ	INA271SHKQ	INA271SKGD1
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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.

Location	E-Mail
USA	PCNAmericasContact@list.ti.com
Europe	PCNEuropeContact@list.ti.com
Asia Pacific	PCNAsiaContact@list.ti.com
Japan	PCNJapanContact@list.ti.com