

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

SBO5521C – 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°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/√Hz
POWER SUPPLY											
Operating Range	V_S	2.7		18				2.7		18	V
Quiescent Current	I_Q		740	1200				1160	895	1300	μA
$V_{OUT} = 2\text{V}$ $V_{SENSE} = 0\text{mV}$											
TEMPERATURE RANGE											
Specified Temperature Range		-55		125				-55		210	°C
Operating Temperature Range		-55		125				-55		210	°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/√Hz
POWER SUPPLY											
Operating Range	V_S	2.7		18				2.7		18	V
Quiescent Current	I_Q $V_{OUT} = 2\text{V}$ $V_{SENSE} = 0\text{mV}$		740	1200				1160	1600	1600	μA
			350	950				895			
TEMPERATURE RANGE											
Specified Temperature Range		-55		125				-55		210	°C
Operating Temperature Range		-55		125				-55		210	°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
------------	------------	-------------

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