

<b>PCN Number:</b>	20170206000	<b>PCN Date:</b>	Feb. 14, 2017
<b>Title:</b>	Datasheet for INA199		
<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"/>		<input type="checkbox"/>	Wafer Bump Site
<input type="checkbox"/>		<input type="checkbox"/>	Wafer Bump Material
<input type="checkbox"/>		<input type="checkbox"/>	Wafer Bump Process
<input type="checkbox"/>		<input type="checkbox"/>	Wafer Fab Site
<input type="checkbox"/>		<input type="checkbox"/>	Wafer Fab Materials
<input type="checkbox"/>		<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.



**INA199**

SBOS469G –APRIL 2009–REVISED FEBRUARY 2017

#### Changes from Revision F (June 2016) to Revision G

Page

• Changed first sub-bullet of <i>Accuracy</i> Features bullet: deleted $\pm 1.5\%$ from sub-bullet and added version differences	1
• Changed $105^{\circ}\text{C}$ to $125^{\circ}\text{C}$ in last paragraph of <i>Description</i> section	1
• Added <i>INA199Cx</i> to last row of <i>Analog inputs</i> in <i>Absolute Maximum Ratings</i> table	5
• Changed <i>INA199Ax</i> HBM value from $\pm 4000$ to $\pm 2000$ and changed <i>INA199B1</i> , <i>INA199B2</i> , and <i>INA199B3</i> to <i>INA199Bx</i> and <i>INA199Cx</i> in second $V_{(ESD)}$ section of <i>ESD Ratings</i> table	5
• Changed maximum specification from $105$ to $125$ in $T_A$ row of <i>Recommended Operating Conditions</i> table	6
• Changed all $T_A = -40^{\circ}\text{C}$ to $105^{\circ}\text{C}$ to $T_A = -40^{\circ}\text{C}$ to $125^{\circ}\text{C}$ in <i>Electrical Characteristics</i> table	7
• Added version C to last row of $V_{CM}$ parameter in <i>Electrical Characteristics</i> table	7
• Added versions A and B to first <i>Gain error</i> parameter row, added second row	7
• Changed devices listed in test conditions of <i>GBW</i> parameter in <i>Electrical Characteristics</i> table to <i>INA199x1</i> , <i>INA199x2</i> , and <i>INA199x3</i> , respectively for the three rows	7
• Changed maximum specification from $105$ to $125$ in <i>Specified range</i> parameter of <i>Electrical Characteristics</i> table	7
• Changed $105^{\circ}\text{C}$ to $125^{\circ}\text{C}$ in last paragraph of <i>Overview</i> section	12
• Changed <i>INA199A2</i> and <i>INA199B2</i> to <i>INA199x2</i> and changed <i>INA199A2</i> and <i>INA199B2</i> to <i>INA199x2</i> in last paragraph of <i>Input Filtering</i> section	15
• Changed listed products in table of Figure 22	15
• Changed <i>version B</i> to <i>version B and C</i> in second paragraph of <i>Improving Transient Robustness</i> section	18

The datasheet number will be changing.

Device Family	Change From:	Change To:
INA199	SBOS469F	SBOS469G

These changes may be reviewed at the datasheet links provided.

<http://www.ti.com/product/INA199>

#### Reason for Change:

To accurately reflect the gain characteristics. Maximum Human Body Model (HBM) ESD stress voltage for version A is +/-2000.

#### 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.

<b>Changes to product identification resulting from this PCN:</b>			
None.			
<b>Product Affected:</b>			
INA199A1DCKR	INA199A3DCKT	INA199B2RSWR	INA199C1RSWT
INA199A1DCKT	INA199A3RSWR	INA199B2RSWT	INA199C2DCKR
INA199A1RSWR	INA199A3RSWT	INA199B3DCKR	INA199C2DCKT
INA199A1RSWT	INA199B1DCKR	INA199B3DCKT	INA199C2RSWR
INA199A2DCKR	INA199B1DCKT	INA199B3RSWR	INA199C2RSWT
INA199A2DCKT	INA199B1RSWR	INA199B3RSWT	INA199C3DCKR
INA199A2RSWR	INA199B1RSWT	INA199C1DCKR	INA199C3DCKT
INA199A2RSWT	INA199B2DCKR	INA199C1DCKT	INA199C3RSWR
INA199A3DCKR	INA199B2DCKT	INA199C1RSWR	INA199C3RSWT

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>