

<b>PCN Number:</b>	20240215000.0	<b>PCN Date:</b>	February 15, 2024
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**Title:** Datasheet for INA132

<b>Customer Contact:</b>	Change Management team	<b>Dept:</b>	Quality Services
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**Change Type:** Electrical Specification

### PCN 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.



**Changes from Revision \* (November 1996) to Revision A (February 2024)** **Page**

• Updated the numbering format for tables, figures, and cross-references throughout the document.....	1
• Added the <i>ESD Ratings, Recommended Operating Conditions, Thermal Information, Application and Implementation, Typical Applications, Device and Documentation Support, and Mechanical, Packaging, and Orderable Information</i> sections.....	1
• Deleted DIP package and associated content from data sheet.....	1
• Updated <i>Features</i> bullets.....	1
• Updated <i>Applications</i> bullets.....	1
• Added <i>Pin Functions</i> table.....	2
• Added dual supply specification to <i>Absolute Maximum Ratings</i> .....	3
• Changed output short-circuit from "ground" to " $V_S / 2$ " in <i>Absolute Maximum Ratings</i> .....	3
• Added $V_{REF} = 0V$ , $V_{CM} = V_S / 2$ , and $G = 1$ to test conditions in <i>Electrical Characteristics</i> and <i>Typical Characteristics</i> for clarity.....	4
• Changed "Offset Voltage vs Temperature" to "Offset voltage drift" and added $T_A = -40^{\circ}C$ to $+85^{\circ}C$ test condition for clarity.....	4
• Changed "Offset Voltage vs Time" to "Long-term stability" for clarity.....	4
• Changed "Offset Voltage vs Power Supply" to Power-supply rejection ratio for clarity.....	4
• Changed voltage noise typical value at 1kHz from $65nV/\sqrt{Hz}$ to $75nV/\sqrt{Hz}$ .....	4
• Changed "Gain Error vs Temperature" to "Gain error drift" and added $T_A = -40^{\circ}C$ to $+85^{\circ}C$ test condition for clarity.....	4
• Changed "Voltage, Positive" to "Positive output voltage swing" and from "Voltage, Negative" to "Negative output voltage swing".....	4
• Added test condition of "Continuous to $V_S / 2$ " to short-circuit current for clarity.....	4
• Changed short-circuit current typical value from $\pm 12mA$ to $+6mA$ – $15mA$ .....	4
• Deleted power supply voltage range typical value of $\pm 15V$ .....	4
• Moved voltage range, operating temperature range, and thermal resistance from <i>Electrical Characteristics</i> to <i>Recommended Operating Conditions</i> and <i>Thermal Information</i> .....	4
• Changed quiescent current typical value from $\pm 160\mu A$ to $\pm 175\mu A$ and maximum value from $\pm 185\mu A$ to $\pm 230\mu A$ .....	4
• Added $V_{REF} = V_S / 2$ , $V_{CM} = V_S / 2$ , and $G = 1$ to test conditions in <i>Electrical Characteristics: <math>V_S = 5V</math></i> for clarity.....	5
• Changed "Offset Voltage vs Temperature" to "Offset voltage drift" and added $T_A = -40^{\circ}C$ to $+85^{\circ}C$ test condition for clarity.....	5
• Added (V–) to negative output voltage swing minimum and typical values.....	5
• Deleted power supply voltage range typical value of $+5V$ .....	5
• Moved voltage range from <i>Electrical Characteristics: <math>V_S = 5V</math></i> to <i>Recommended Operating Conditions</i> .....	5
• Changed quiescent current typical value from $\pm 155\mu A$ to $\pm 175\mu A$ and maximum value from $\pm 185\mu A$ to $\pm 230\mu A$ .....	5

The datasheet number will be changing.

Device Family	Change From:	Change To:
INA132	SBOS059	<b>SBOS059A</b>

<p>These changes may be reviewed at the datasheet links provided.  <a href="http://www.ti.com/product/INA132">http://www.ti.com/product/INA132</a></p>							
<p><b>Reason for Change:</b></p> <p>To accurately reflect device characteristics. This particular PCN is related to TI's multiyear transition plan for our two remaining factories with 150-millimeter production (DFAB in Dallas, Texas, and SFAB in Sherman, Texas). DFAB will remain open, but will focus on 200-mm production, with a smaller set of technologies. SFAB will close no earlier than 2024 and no later than 2025. As referenced in the "reason for change" below, these changes are part of our multiyear plan to transition these products to newer, more efficient manufacturing processes and technologies, underscoring our commitment to product longevity and supply continuity.</p>							
<p><b>Anticipated impact on Fit, Form, Function, Quality or Reliability (positive / negative):</b></p> <p>No anticipated impact. This is a specification change announcement only. There are no changes to the actual device</p>							
<p><b>Changes to product identification resulting from this PCN:</b></p> <p>None.</p>							
<p><b>Product Affected:</b></p> <table border="1"> <tr> <td>INA132U</td> <td>INA132U/2K5</td> <td>INA132UA</td> <td>INA132UA/2K5</td> </tr> </table>				INA132U	INA132U/2K5	INA132UA	INA132UA/2K5
INA132U	INA132U/2K5	INA132UA	INA132UA/2K5				

For questions regarding this notice, e-mails can be sent to the Change Management team or your local Field Sales Representative.

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