



12500 TI Boulevard, MS 8640, Dallas, Texas 75243

**Notification# 20241218000.0
Datasheet for INA122
Information Only Datasheet**

Date: December 19, 2024

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 Change Management team.

Sincerely,

Change Management Team
SC Business Services

20241218000.0
Information Only Datasheet
Attachments

Products Affected:

The devices listed on this page are a subset of the complete list of affected devices. According to our records, you have recently purchased these devices. The corresponding customer part number is also listed, if available.

DEVICE	CUSTOMER PART NUMBER
INA122P	NULL
INA122P	
INA122PA	NULL

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

PCN Number:	20241218000.0	PCN Date:	December 19, 2024
Title:	Datasheet for INA122		
Customer Contact:	Change Management team	Dept:	Quality Services
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.



INA122

SBOS069A – OCTOBER 1997 – REVISED DECEMBER 2024

Changes from Revision * (October 1997) to Revision A (December 2024)

Page

• Added <i>Pin Functions</i> table, <i>Recommended Operating Conditions</i> table, <i>Thermal Information</i> table, <i>Detailed Description</i> section, <i>Application and Implementation</i> section, <i>Power Supply Recommendations</i> section, <i>Layout</i> section, and the <i>Device and Documentation Support</i> section.....	1
• Changed names on pins 2, 3, 4, 6, and 7 from: V_{IN-} , V_{IN+} , V_- , V_O and V_+ to: $-IN$, $+IN$, $-VS$, OUT and $+VS$...	3
• Added dual supply specification to <i>Absolute Maximum Ratings</i>	4
• Added note clarifying output short-circuit "to ground" in <i>Absolute Maximum Ratings</i> refers to short-circuit to $V_S / 2$	4
• Added test condition of $T_A = -40^{\circ}\text{C}$ to $+85^{\circ}\text{C}$ to input bias current drift and input offset current drift parameter in <i>Electrical Characteristics</i>	5
• Changed parameter from <i>Offset Voltage RTI vs Power Supply</i> to <i>Power Supply Rejection Ratio</i> in <i>Electrical Characteristics</i>	5
• Changed parameter from <i>Input Impedance</i> to <i>Differential impedance</i> and <i>Common-mode impedance</i> in <i>Electrical Characteristics</i>	5
• Added test condition to input bias current parameter in <i>Electrical Characteristics</i>	5
• Changed voltage noise from $2\mu\text{V}_{pp}$ to $2.7\mu\text{V}_{pp}$ in <i>Electrical Characteristics</i>	5
• Changed Bandwidth, -3dB at $G = 5$ from 120kHz to 100kHz in <i>Electrical Characteristics</i>	5
• Changed Bandwidth, -3dB $G = 100$ from 5kHz to 3kHz in <i>Electrical Characteristics</i>	5
• Added test condition to Slew rate parameter in <i>Electrical Characteristics</i>	5
• Changed falling Slew rate from $0.16\text{V}/\mu\text{s}$ to $0.12\text{V}/\mu\text{s}$ in <i>Electrical Characteristics</i>	5
• Changed Overload recovery from $3\mu\text{s}$ to $22\mu\text{s}$ in <i>Electrical Characteristics</i>	5
• Updated <i>Quiescent Current vs Temperature</i> curve in <i>Typical Characteristics</i> section.....	7
• Changed <i>Offset Trimming</i> section.....	14

The datasheet number will be changing.

Device Family	Change From:	Change To:
INA122	SBOS069	SBOS069A

These changes may be reviewed at the datasheet links provided.

<http://www.ti.com/product/INA122>

Reason for Change:

To accurately reflect device characteristics.

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

No anticipated impact.

Changes to product identification resulting from this PCN:

None.

Product Affected:

INA122P	INA122PA	INA122PAG4	
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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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