



12500 TI Boulevard, MS 8640, Dallas, Texas 75243

**Notification# 20230701000.0
Datasheet for OPAx241, OPAx251
Information Only Datasheet**

Date: July 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

20240701000.0
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
OPA2241PA	NULL
OPA2241UA	NULL
OPA2241UA/2K5	NULL
OPA2251PA	NULL
OPA2251UA	NULL
OPA2251UA/2K5	NULL
OPA241PA	NULL
OPA241UA	NULL
OPA241UA/2K5	NULL
OPA251UA	NULL
OPA251UA/2K5	NULL

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

PCN Number:	20240701000.0	PCN Date:	July 19, 2024
Title:	Datasheet for OPAx241, OPAx251		
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.



OPA241, OPA2241, OPA4241, OPA251, OPA2251, OPA4251
SBOS075A – SEPTEMBER 2000 – REVISED JUNE 2024

Changes from Revision * (September 2000) to Revision A (June 2024)	Page
• Updated the numbering format for tables, figures, and cross-references throughout document.....	1
• Added the <i>Device Information</i> table, and the <i>Pin Configuration and Functions, Recommended Operating Conditions, Thermal Information, Electrical Characteristics, Application and Implementation, Device and Documentation Support, Revision History, and Mechanical, Packaging, and Orderable Information</i> sections..	1
• Added new figure to <i>Description</i>	1
• Updated pin names.....	3
• Changed input voltage noise from 1μV _{PP} to 1.7μV _{PP}	7
• Changed input voltage noise density from 45nV/√Hz to 65nV/√Hz	7
• Changed input impedance differential capacitance from 2pF to 3.75pF.....	7
• Changed overload recovery from 60μs to 80μs.....	7
• Changed short-circuit current from -30mA to -24mA for dual and quad.....	7
• Changed short-circuit current sink from -50mA to -27mA.....	9
• Deleted <i>Input Voltage and Current Noise Spectral Density vs Frequency</i> from <i>Typical Characteristics</i>	11
• Added Figure 5-4, <i>Input Voltage Noise Spectral Density vs Frequency</i> and Figure 5-5, <i>Input Current Noise Spectral Density vs Frequency</i>	11

The datasheet number will be changing.

Device Family	Change From:	Change To:
OPAx241, OPAx251	SBOS075	SBOS075A

These changes may be reviewed at the datasheet links provided.
<http://www.ti.com/product/OPA241>

Reason for Change:

To accurately reflect device characteristics.

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.

Changes to product identification resulting from this PCN:

None.

Product Affected:

OPA251UA/2K5G4	OPA2251UA/2K5	OPA2241UA	OPA241PA
OPA2241PA	OPA2251UAG4	OPA2241UA/2K5G4	OPA251UA/2K5
OPA2241UA/2K5	OPA2251UA/2K5G4	OPA251PA	OPA241UA/2K5
OPA251UA	OPA2251PAG4	OPA241UA	OPA241UAG4
OPA2251UA	OPA2241PAG4	OPA2241UAG4	OPA2251PA

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

IMPORTANT NOTICE AND DISCLAIMER

TI PROVIDES TECHNICAL AND RELIABILITY DATA (INCLUDING DATASHEETS), DESIGN RESOURCES (INCLUDING REFERENCE DESIGNS), APPLICATION OR OTHER DESIGN ADVICE, WEB TOOLS, SAFETY INFORMATION, AND OTHER RESOURCES "AS IS" AND WITH ALL FAULTS, AND DISCLAIMS ALL WARRANTIES, EXPRESS AND IMPLIED, INCLUDING WITHOUT LIMITATION ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT OF THIRD PARTY INTELLECTUAL PROPERTY RIGHTS.

These resources are intended for skilled developers designing with TI products. You are solely responsible for (1) selecting the appropriate TI products for your application, (2) designing, validating and testing your application, and (3) ensuring your application meets applicable standards, and any other safety, security, or other requirements. These resources are subject to change without notice. TI grants you permission to use these resources only for development of an application that uses the TI products described in the resource. Other reproduction and display of these resources is prohibited. No license is granted to any other TI intellectual property right or to any third party intellectual property right. TI disclaims responsibility for, and you will fully indemnify TI and its representatives against, any claims, damages, costs, losses, and liabilities arising out of your use of these resources.

TI's products are provided subject to TI's Terms of Sale (www.ti.com/legal/termsofsale.html) or other applicable terms available either on ti.com or provided in conjunction with such TI products. TI's provision of these resources does not expand or otherwise alter TI's applicable warranties or warranty disclaimers for TI products.