

IMPORTANT: NON-CONFORMING PRODUCT



Customer: _____ (full legal name of entity)

TI Part Number: __OPA2604AU / AP__ (the “**Component(s)**”) Die Rev: _____

Lot Trace: _____ Quantity: _____ Symbol: __OPA2604_____

Dear Customer:

This Form is to notify you that the above identified Component(s) do not fully meet or conform to the published data sheet specifications or other mutually agreed upon specifications. (“Non-Conforming”). Specifically Texas Instruments Incorporated [TI] has identified a potential issue with the OPA2604XX device at the high end of the Power Supply Operating Voltage Range.

WAS Condition:

Operating Voltage range = +/- 4.5 Volt minimum to +/-24 Volt maximum

POWER SUPPLY Specified Operating Voltage Operating Voltage Range Current, Total Both Amplifiers	$I_o = 0$	± 4.5	± 15	± 24 ± 12	V V mA
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IS Condition:

Operating Voltage range = +/- 4.5 Volt minimum to +/-20 Volt maximum

POWER SUPPLY Specified Operating Voltage Operating Voltage Range Current, Total Both Amplifiers	$I_o = 0$	± 4.5	± 15	± 20 ± 12	V V mA
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If the OPA2604 is used at an operating voltage greater than +/-20 Volts the device performance may experience changes over a period of several days to one week of continuous use. The output voltage will increase in magnitude, possibly continuing until it reaches several volts; from a device performance perspective it will appear as a very large output offset voltage. In addition to the increase in output voltage the quiescent current (Iq) can double in magnitude. The device continues to operate as an amplifier with degraded performance.

Material that is datecode 1227(+5) or more recent may exhibit this behavior. TI is currently investigating this device issue and believes that it is related to a shift in the wafer fab process. The expectation is that this will take 6 – 12 months to resolve and release new product that is compliant to the Maximum Power Supply that is currently listed in the Product Datasheet (+/-24 Volts). Please be assured that TI is working diligently to resolve the issue and deliver fully compliant devices as quickly as possible.

EXCEPT AS OUTLINED IN THE PARAGRAPHS ABOVE, ALL COMPONENTS WILL MEET REMAINING DATASHEET REQUIREMENTS.

FOR CLARIFICATION, COMPONENTS NOT MEETING THE APPLICABLE DATA SHEET SPECIFICATIONS FOR REASONS OTHER THAN THE OUTPUT VOLTAGE SPECIFICATIONS OUTLINED ABOVE WILL BE

Form C Non-Conforming Product

WARRANTED PURSUANT TO THE TI'S PERFORMANCE WARRANTY UNDER TI'S STANDARD TERMS AND CONDITIONS FOR SALE OF SEMICONDUCTOR PRODUCTS.

THE COMPONENT(S) AND ANY RELATED INFORMATION ARE PROVIDED "AS IS" AND WITH ALL FAULTS. TI DISCLAIMS ALL OTHER WARRANTIES, EXPLICIT OR IMPLIED, REGARDING THE COMPONENT(S), INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT WILL TI, ITS DISTRIBUTORS, AFFILIATES, OR RELATED ENTITIES BE LIABLE FOR DAMAGES, INCLUDING BUT NOT LIMITED TO SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES.

The Component(s) are non-cancellable/non-refundable and TI reserves the right to modify or discontinue the Component(s) at any time. TI makes no representation that the Component(s) will ever conform to published TI datasheet or other mutually agreed upon specifications.

Regarding the use of the Components, you acknowledge and agree to full and exclusive responsibility to assure the safety of your end products and compliance of your products with all applicable laws and regulations. No TI components are authorized for use in FDA Class III (or similar life-critical medical equipment) unless authorized in writing by TI.

You shall fully indemnify TI and its representatives against any damages arising out of the use of the Components in safety critical applications or any unauthorized use of the Components.

This Form is effective for all deliveries and quantities of the Component(s) until you either receive or request written notice stating that the Component(s) fully conform to the published TI datasheet or mutually agreed specifications.

If you would like to receive the Component(s) as described above, please sign below and return, by email (PDF), to your TI representative at _b-cleveland@ti.com. (Note: Component(s) shipments will not be executed until this signed Notice has been received and processed).

ACKNOWLEDGED BY CUSTOMER/USER:

BY: _____
(Authorized Signature)

NAME: _____
PRINT

TITLE: _____

DATE: _____

Attachments (list all if any):