12500 TI Boulevard, MS 8640, Dallas, Texas 75243

Notification#20180720002
Datasheet for OPA180, OPA2180, OPA4180
Information Only

Date: July 20, 2018
To: PREMIER FARNELL PCN

Dear Customer:

This is an information-only announcement of a change to the datasheet for 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 PCN Manager (PCN_ww_admin_team@list.ti.com).

Sincerely,

PCN Team
SC Business Services

Information Only
Attachments

Products Affected:

The devices listed on this page are a subset of the complete list of affected devices. According to our records, these are the devices that you have purchased within the past twenty-four (24) months. The corresponding customer part number is also listed, if available.

DEVICE	CUSTOMER PART NUMBER
OPA180IDGKT	null
OPA2180ID	null
OPA2180IDGK	null
OPA2180IDR	null
OPA4180ID	null
OPA4180IPW	null

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

PCN Number:	20180720002	PCN Date:	July 20, 2018
Title:	Datasheet for OPA180, OPA2180, OPA4180		
Customer Contact:	PCN Manager	Dept:	Quality Services

Change Type:		
☐ Assembly Site	☐ Design	☐ Wafer Bump Site
☐ Assembly Process	☒ Data Sheet	☐ Wafer Bump Material
☐ Assembly Materials	☐ Part number change	☐ Wafer Bump Process
☐ Mechanical Specification	☐ Test Site	☐ Wafer Fab Site
☐ Packing/Shipping/Labeling	☐ Test Process	☐ Wafer Fab Materials
		☐ 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.

TEXAS INSTRUMENTS

OPA180, OPA2180, OPA4180

SBOS584E – NOVEMBER 2011 – REVISED JUNE 2018

Changes from Revision D (May 2014) to Revision E **Page**

- Changed OPA180 and OPA4180 operating temperature from "–40°C to +105°C" to "–40°C to +125°C" in *Description* section 1
- Added storage temperature parameter as the last row in the *Absolute Maximum Ratings* table 8
- Changed maximum operating temperature value from 105°C to 125°C in *Absolute Maximum Ratings* table 8
- Changed maximum operating temperature value from 105°C to 125°C in *Recommended Operating Conditions* table 8
- Changed input offset voltage drift temperature range from T_A = –40°C to 105°C to T_A = –40°C to +125°C in *Electrical Characteristics* table 10
- Changed power supply rejection ratio temperature range from T_A = –40°C to 105°C to T_A = –40°C to +125°C in *Electrical Characteristics* table 10
- Changed OPA180 input bias current temperature range from T_A = –40°C to 105°C to T_A = –40°C to +125°C in *Electrical Characteristics* table 10
- Added minimum OPA2180 input bias current value of 18 nA in *Electrical Characteristics* table 10
- Added minimum OPA180 input bias current value of 18 nA in *Electrical Characteristics* table 10
- Changed OPA180 input offset current temperature range from T_A = –40°C to 105°C to T_A = –40°C to +125°C in *Electrical Characteristics* table 10
- Added minimum OPA2180 input offset current value of 6 nA in *Electrical Characteristics* table 10
- Added minimum OPA180 input offset current value of 6 nA in *Electrical Characteristics* table 10
- Changed common-mode rejection ratio temperature range from T_A = –40°C to 105°C to T_A = –40°C to +125°C in *Electrical Characteristics* table 10
- Changed open-loop voltage gain temperature range from T_A = –40°C to 105°C to T_A = –40°C to +125°C in *Electrical Characteristics* table 10
- Changed voltage output swing from rail temperature range from T_A = –40°C to 105°C to T_A = –40°C to +125°C in *Electrical Characteristics* table 11
- Changed quiescent current temperature range from T_A = –40°C to 105°C to T_A = –40°C to +125°C in *Electrical Characteristics* table 11
- Changed operating temperature from "–40°C to +105°C" to " –40°C to +125°C" in *Feature Description* section 18
- Updated Figure 34 24
- Changed operating temperature from "–40°C to +105°C" to " –40°C to +125°C" in *Power Supply Recommendations* section 25

The datasheet number will be changing.

Device Family	Change From:	Change To:
OPA180, OPA2180, OPA4180	SBOS584D	SBOS584E

These changes may be reviewed at the datasheet links provided.

http://www.ti.com/product/OPA180

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:

OPA180ID	OPA180IDBVR	OPA180IDBVT	OPA180IDGKR
OPA180IDGKT	OPA180IDR	OPA2180ID	OPA2180IDGK
OPA2180IDGKR	OPA2180IDR	OPA4180ID	OPA4180IDR
OPA4180IPW	OPA4180IPWR		

For questions regarding this notice, e-mails can be sent to the regional contacts shown below or your local Field Sales Representative.

Location	**E-Mail**
USA	PCNAmericasContact@list.ti.com
Europe	PCNEuropeContact@list.ti.com
Asia Pacific	PCNAsiaContact@list.ti.com
Japan	PCNJapanContact@list.ti.com