

PCN Number:	20180720002	PCN Date:	July 20, 2018
Title:	Datasheet for OPA180, OPA2180, OPA4180		
Customer Contact:	PCN Manager	Dept:	Quality Services
Change Type:			
<input type="checkbox"/>	Assembly Site	<input type="checkbox"/>	Design
<input type="checkbox"/>	Assembly Process	<input checked="" type="checkbox"/>	Data Sheet
<input type="checkbox"/>	Assembly Materials	<input type="checkbox"/>	Part number change
<input type="checkbox"/>	Mechanical Specification	<input type="checkbox"/>	Test Site
<input type="checkbox"/>	Packing/Shipping/Labeling	<input type="checkbox"/>	Test Process
<input type="checkbox"/>		<input type="checkbox"/>	Wafer Bump Site
<input type="checkbox"/>		<input type="checkbox"/>	Wafer Bump Material
<input type="checkbox"/>		<input type="checkbox"/>	Wafer Bump Process
<input type="checkbox"/>		<input type="checkbox"/>	Wafer Fab Site
<input type="checkbox"/>		<input type="checkbox"/>	Wafer Fab Materials
<input type="checkbox"/>		<input type="checkbox"/>	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.



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

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