

PCN Number:	20180830000	PCN Date:	August 31, 2018
Title:	Datasheet for THS3491		
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"/>	Wafer Bump Site
		<input type="checkbox"/>	Wafer Bump Material
		<input type="checkbox"/>	Wafer Bump Process
		<input type="checkbox"/>	Wafer Fab Site
		<input type="checkbox"/>	Wafer Fab Materials
		<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.



THS3491

SBOS875B –AUGUST 2017–REVISED JULY 2018

Changes from Revision A (March 2018) to Revision B

Page

• Changed resistor values in <i>Typical Arbitrary Waveform Generator Output Drive Circuit</i> from 49.9 Ω to 40.2 Ω	1
• Changed resistor values in <i>Typical Arbitrary Waveform Generator Output Drive Circuit</i> from 24.9 Ω to 30 Ω	1
• Changed "T _A = 25°C" to "T _A \approx 25°C" in <i>Electrical Characteristics: \pm15 V</i> condition statement.....	6
• Changed "100% tested at 25°C" to "100% tested at \approx 25°C" in the footnote of <i>Electrical Characteristics: \pm15 V</i>	6
• Added "DDA package only" in Test Conditions column for "V _{OS} " specification.....	6
• Added new V _{OS} specification line for RGT package.....	6
• Added min/max values to "R _{FB_TRACE} " specification	7
• Changed units from "pF k Ω " to "k Ω pF" and changed typical spec accordingly	7
• Added min/max values to "T _{J_SENSE} 25°C value" specification	8
• Changed "T _{J_SENSE} temperature coefficient" specification's typical value from 3 mV/°C to 3.2 mV/°C	8
• Added min/max values to "T _{J_SENSE} input impedance" specification	8
• Changed "T _A = 25°C" to "T _A \approx 25°C" in <i>Electrical Characteristics: \pm7.5 V</i> condition statement.....	9
• Changed "100% tested at 25°C" to "100% tested at \approx 25°C" in the footnote of <i>Electrical Characteristics: \pm7.5 V</i>	9
• Added "DDA package only" in Test Conditions column for "V _{OS} " specification	9
• Added new V _{OS} specification line for RGT package.....	9
• Changed units from "pF k Ω " to "k Ω pF" and changed typical values accordingly	9
• Added min/max values to "T _{J_SENSE} 25°C value" specification	10
• Added min/max values to "T _{J_SENSE} input impedance" specification	10
• Changed "T _A = 25°C" to "T _A \approx 25°C" in <i>Typical Characteristics: \pm15 V</i> condition statement.....	11
• Changed Z _{OL} low frequency value from 160 dB to 138 dB in <i>Open-Loop Transimpedance Gain and Phase vs Frequency</i>	13
• Changed <i>Overdrive Recovery Time</i> grid lines and added gain information.....	14
• Added <i>T_{J_SENSE} Voltage vs Ambient Temperature</i>	17
• Changed "T _A = 25°C" to "T _A \approx 25°C" in <i>Typical Characteristics: \pm7.5 V</i> condition statement.....	18
• Changed <i>Overdrive Recovery Time</i> grid lines and added gain information.....	19
• Corrected polarity of negative supply capacitor in <i>Wideband Noninverting Gain Configuration (5 V/V)</i>	25
• Corrected negative supply capacitor polarity in <i>Wideband Inverting Gain Configuration (5 V/V)</i>	26
• Added "R _{ISO} " to "1 Ω " in <i>Driving a Large Capacitive Load Using an Output Series Isolation Resistor</i>	28
• Added 1-k Ω resistor to <i>Driving a Large Capacitive Load Using an Output Series Isolation Resistor</i>	28
• Changed supply values from \pm 15 V to \pm 7.5 V in <i>Video Distribution Amplifier Application</i>	30
• Changed R _{S2} values from 100 Ω to 40.2 Ω in <i>Load-Sharing Driver Application</i>	31
• Added 30- Ω resistor to <i>Load-Sharing Driver Application</i>	31
• Added text to <i>Design Requirements</i> and <i>Detailed Design Procedure</i> sections	32
• Added <i>Application Curves</i> section	33

The datasheet number will be changing.

Device Family	Change From:	Change To:
THS3491	SBOS875A	SBOS875B

These changes may be reviewed at the datasheet links provided.

<http://www.ti.com/product/THS3491>

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:

THS3491IDDAR	THS3491IDDAT	THS3491IRGTR	THS3491IRGTT
XTHS3491IRGTR			

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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