PCN# 20070507001
Notification for Clarification of Added Specification to TL5209 - Information Only
Data Sheet Change Notification

This is an information-only announcement of a change to a device that is currently offered by Texas Instruments.

The changes discussed within this PCN are for your information only. Please see the attachment details for the planned implementation date.

This notification period is per TI's standard process. 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
Phone: (214) 480-6037
Fax: (214) 480-6659

PCN Number:	20070507001		PCN Date:	5/11/2007
Title:	Notification for Clarification of Added Specification to TL5209 - Information Only			
Customer Contact:	Linda K Miles	Phone: 903-868-7638	Dept:	Standard Linear Logic
Proposed 1st Ship Date:	05/11/2007	Estimated Sample Availability:		05/11/2007

Change Type:

☐	Assembly Site	☐	Assembly Process	☐	Assembly Materials
☐	Design	☒	Electrical Specification	☐	Mechanical Specification
☐	Test Site	☐	Packing/Shipping/Labeling	☐	Test Process
☐	Wafer Bump Site	☐	Wafer Bump Material	☐	Wafer Bump Process
☐	Wafer Fab Site	☐	Wafer Fab Materials	☐	Wafer Fab Process

PCN Details

Description of Change:

Texas Instruments Standard Linear and Logic (SLL) is adding an output voltage spec to the Absolute Maximum Ratings and Recommended Operating Conditions for the TL5209 data sheet. This is to specify maximum output voltage ranges for the device. Input voltage range remains the same. The TL5209 adjustable output should not be adjusted above 6.75V ± 10%. Additional information added and further explained in the applications information section in the datasheet.

1. In the Absolute Maximum Ratings section, added the output voltage specification, Vo. (See Table 1)
2. In the Recommended Operating Conditions section, added the output voltage specification, Vo. (See Table 2)

Before: Table 1 (Currently shown on page 5)
Absolute Maximum Ratings [1]
over operating free-air temperature range (unless otherwise noted)

		MIN	MAX	UNIT
V_I	Continuous input voltage range	-20	20	V
T_{stg}	Storage temperature range	-65	150	°C

After: Table 1 (Shown on Page 3 of the revised datasheet)
Absolute Maximum Ratings [1]
over operating free-air temperature range (unless otherwise noted)

		MIN	MAX	UNIT
V_I	Continuous input voltage range	-20	20	V
V_O	**Output voltage**		**7.5**	**V**
T_{stg}	Storage temperature range	-65	150	°C

Before: Table 2 (Currently shown on page 5)
Recommended Operating Conditions

		MIN	MAX	UNIT
V_I	Input voltage	2.5	16	V
V_{EN}	Enable Input voltage	0	V_I	V
T_J	Operating junction temperature range	-40	125	°C

After: Table 2 (Shown on Page 3 of the revised datasheet)
Recommended Operating Conditions

		MIN	MAX	UNIT
V_I	Input voltage	2.5	16	V
V_O	**Output voltage**		**6.5**	**V**
V_{EN}	Enable Input voltage	0	V_I	V
T_J	Operating junction temperature range	-40	125	°C

Device Type	Current Literature #	New Literature #
TL5209	**SLVS581**	**SLVS581A**

Reason for Change:
This notification is being sent to clarify a new parameter being added to the datasheet.

Anticipated impact on Fit, Form, Function & Reliability (positive / negative):
The TL5209 adjustable output should not be adjusted above 6.75V ± 10%. This is explained in the applications information in the datasheet.

Changes to product identification resulting from this PCN:
There is no change to orderable product identification.

Product Affected:	
TL5209DR	
TL5209DRG4	

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
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