

<b>Notification Number:</b>	20211027000.0.A	<b>Notification Date:</b>	December 07, 2021
<b>Title:</b>	Datasheet for TPS542A50		
<b>Customer Contact:</b>	<a href="#">Notification Manager</a>	<b>Dept:</b>	Quality Services

**Change Type:** Electrical Specification

**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.

**The rev A is being issued to correct the device listed in the notification.**



TPS542A50

SNVSBC0B – SEPTEMBER 2020 – REVISED OCTOBER 2021

**Changes from Revision A (October 2020) to Revision B (October 2021)**

**Page**

• Changed "V <sub>VRSF</sub> " to "V <sub>RSP</sub> " for I <sub>Q</sub> - PFM Mode current test condition in the <i>Electrical Characteristics</i> table.....	5
• Changed R <sub>FSSEL</sub> test condition values under <i>Switching Frequency</i> in the <i>Electrical Characteristics</i> .....	5
• Changed R <sub>ILIM</sub> test condition values under <i>Current Sense and Protection</i> in the <i>Electrical Characteristics</i> .....	5
• Changed title from "Line Regulation" to "Load Regulation" in <a href="#">Figure 6-8</a> and <a href="#">Figure 6-9</a> .....	9
• Removed "Chroma" from title of <a href="#">Figure 6-23</a> and <a href="#">Figure 6-24</a> .....	9
• Updated R <sub>FSSEL</sub> , R <sub>COMP</sub> , R <sub>SS/PFM</sub> and R <sub>ILIM</sub> with correct values across document.....	14
• Changed R <sub>FSSEL</sub> values in <a href="#">Table 7-1</a> .....	16
• Changed R <sub>COMP</sub> values in <a href="#">Table 7-2</a> .....	16
• Changed R <sub>SS/PFM</sub> values in <a href="#">Table 7-5</a> .....	18
• Changed R <sub>ILIM</sub> values in <a href="#">Table 7-7</a> .....	19
• Changed R <sub>COMP</sub> values in <a href="#">Table 7-8</a> .....	21
• Updated the output voltage increments percentage value and removed the tables which included the binary codes for adjusting the output voltage.....	22
• Updated the RESERVED field to a R/W type.....	24
• Updated all figures in <a href="#">Section 8.2.1.4</a> to demonstrate new R <sub>FSSEL</sub> , R <sub>COMP</sub> , R <sub>SS/PFM</sub> and R <sub>ILIM</sub> values.....	30
• Added information on Fusion Digital Power™ designer software tool.....	34

The datasheet number will be changing.

Device Family	Change From:	Change To:
TPS542A50	SNVSBC0A	SNVSBC0B

These changes may be reviewed at the datasheet links provided.

<http://www.ti.com/product/TPS542A50>

**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 notification:**

None.

**Product Affected:**

TPS542A52RJMR	TPS542A50RJMR		
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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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