

<b>Notification Number:</b>	20211028001	<b>Notification Date:</b>	December 01, 2021
<b>Title:</b>	Datasheet for TPS3851 and TPS3431		
<b>Customer Contact:</b>	<a href="#">Notification Manager</a>	<b>Dept:</b>	Quality Services
<b>Change Type:</b> 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.



**TPS3851**  
SBVS300A – NOVEMBER 2016 – REVISED SEPTEMBER 2021

Changes from Revision * (November 2016) to Revision A (September 2021)	Page
• Updated the numbering format for tables, figures, and cross-references throughout the document.....	1
• Removed "±15% Accurate WDT and RST Delays".....	1
• Added "on the VDD pin".....	1
• Changed V <sub>ESD</sub> values to ±4000 V and ±1000 V.....	4
• Changed I <sub>CWD</sub> min and max spec.....	5
• Changed V <sub>CWD</sub> min and max spec.....	5
• Added a footnote to for t <sub>INIT</sub> .....	6
• Updated t <sub>WDU</sub> min and max multipliers from 0.85 and 1.15 to 0.905 and 1.095 respectively.....	16
• Updated t <sub>WDU</sub> min and max values for all capacitors.....	16
• Updated equation 6 and 7 to replace 0.85 and 1.15 with 0.905 and 1.095 respectively.....	19



**TPS3431**  
SNVSB66A – JULY 2018 – REVISED OCTOBER 2021

Changes from Revision * (July 2018) to Revision A (June 2021)	Page
• Removed "±15% Accurate Watchdog Timeout and Watchdog Reset Delays Over Temperature".....	1
• Updated the Applications section with web links.....	1
• Removed "15% timing accuracy (–40°C to +125°C),".....	1
• Updated ESD Ratings.....	4
• Updated I <sub>CWD</sub> min and max spec.....	5
• Updated V <sub>CWD</sub> min and max spec.....	5
• Added a footnote to for t <sub>INIT</sub> .....	6
• Updated t <sub>WDU</sub> min and max boundry values from 0.85 and 1.15 to 0.905 and 1.095 respectively.....	14
• Updated t <sub>WDU</sub> min and max values for all capacitors.....	14
• Updated the equations 3 and 4 with t <sub>WD</sub> min and max boundry values from 0.85 and 1.15 to 0.905 and 1.095 respectively.....	17

The datasheet number will be changing.

Device Family	Change From:	Change To:
TPS3851	SBVS300	SBVS300A
TPS3431	SNVSB66	SNVSB66A

These changes may be reviewed at the datasheet links provided.

<https://www.ti.com/product/TPS3851>

<https://www.ti.com/product/TPS3431>

**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.

<b>Changes to product identification resulting from this notification:</b>			
None.			
<b>Product Affected:</b>			
TPS3431SDRBR	TPS3851G25EDRBT	TPS3851G33SDRBT	TPS3851H18EDRBT
TPS3851G18EDRBR	TPS3851G30EDRBR	TPS3851G50EDRBR	TPS3851H25EDRBR
TPS3851G18EDRBT	TPS3851G30EDRBT	TPS3851G50EDRBT	TPS3851H25EDRBT
TPS3851G18SDRBR	TPS3851G33EDRBR	TPS3851G50SDRBR	TPS3851H30EDRBR
TPS3851G18SDRBT	TPS3851G33EDRBT	TPS3851G50SDRBT	TPS3851H30EDRBT
TPS3851G25EDRBR	TPS3851G33SDRBR	TPS3851H18EDRBR	TPS3851H33EDRBR
TPS3851H33EDRBT	TPS3851H50EDRBR	TPS3851H50EDRBT	

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

<b>Location</b>	<b>E-Mail</b>
USA	<a href="mailto:PCNAmericasContact@list.ti.com">PCNAmericasContact@list.ti.com</a>
Europe	<a href="mailto:PCNEuropeContact@list.ti.com">PCNEuropeContact@list.ti.com</a>
Asia Pacific	<a href="mailto:PCNAsiaContact@list.ti.com">PCNAsiaContact@list.ti.com</a>
WW Change Management Team	<a href="mailto:PCN_ww_admin_team@list.ti.com">PCN_ww_admin_team@list.ti.com</a>

## **IMPORTANT NOTICE AND DISCLAIMER**

TI PROVIDES TECHNICAL AND RELIABILITY DATA (INCLUDING DATASHEETS), DESIGN RESOURCES (INCLUDING REFERENCE DESIGNS), APPLICATION OR OTHER DESIGN ADVICE, WEB TOOLS, SAFETY INFORMATION, AND OTHER RESOURCES "AS IS" AND WITH ALL FAULTS, AND DISCLAIMS ALL WARRANTIES, EXPRESS AND IMPLIED, INCLUDING WITHOUT LIMITATION ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT OF THIRD PARTY INTELLECTUAL PROPERTY RIGHTS.

These resources are intended for skilled developers designing with TI products. You are solely responsible for (1) selecting the appropriate TI products for your application, (2) designing, validating and testing your application, and (3) ensuring your application meets applicable standards, and any other safety, security, or other requirements. These resources are subject to change without notice. TI grants you permission to use these resources only for development of an application that uses the TI products described in the resource. Other reproduction and display of these resources is prohibited. No license is granted to any other TI intellectual property right or to any third party intellectual property

right. TI disclaims responsibility for, and you will fully indemnify TI and its representatives against, any claims, damages, costs, losses, and liabilities arising out of your use of these resources.

TI's products are provided subject to TI's Terms of Sale ([www.ti.com/legal/termsofsale.html](http://www.ti.com/legal/termsofsale.html)) or other applicable terms available either on [ti.com](http://ti.com) or provided in conjunction with such TI products. TI's provision of these resources does not expand or otherwise alter TI's applicable warranties or warranty disclaimers for TI products.