

<b>Notification Number:</b>	20210623004	<b>Notification Date:</b>	December 17, 2021
<b>Title:</b>	Datasheet for TPS7A84		
<b>Customer Contact:</b>	<a href="#">Notification Manager</a>	<b>Dept:</b>	Quality Services
<b>Change Type:</b>	Electrical Specification		

### 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.



**TPS7A84**  
SBVS233B – JANUARY 2016 – REVISED JUNE 2021

Changes from Revision A (January 2016) to Revision B (June 2021)	Page
• Updated the numbering format for tables, figures, and cross-references throughout the document .....	1
• Added links to <i>Applications</i> section.....	1
• Changed title of Figure 8.....	8
• Added RMS noise BW condition to Figure 9 through Figure 12.....	8
• Changed conditions of Figure 13 and Figure 14.....	8
• Changed the <i>Bias Rail</i> section for clarification .....	17
• Changed <i>Programmable Soft-Start</i> section for clarification.....	17
• Added last paragraph to <i>Internal Current Limit</i> section.....	17
• Moved <i>Soft-Start and In-Rush Current</i> section.....	20
• Added <i>Charge Pump Noise</i> section.....	21
• Changed equation 4: changed $V_{REF}$ to $V_{NR/SS}$ .....	22
• Added <i>Current Sharing</i> section.....	25
• Changed Table 5 .....	25
• Changed Figure 47 .....	26
• Added $R_{PJ}$ to Figure 48.....	27
• Changed <i>Undervoltage Lockout (UVLO) Operation</i> section.....	28
• Changed <i>Behavior when Transitioning from Dropout into Regulation</i> section.....	29
• Changed <i>Load Transient Response</i> section.....	29
• Changed title of <i>Negatively-Biased Output</i> section.....	30
• Added <i>Reverse Current Protection</i> section.....	30
• Changed equation 9 from $P_D = (V_{OUT} - V_{IN}) \times I_{OUT}$ to $P_D = (V_{IN} - V_{OUT}) \times I_{OUT}$ .....	31
• Added equation 11.....	31
• Added <i>Recommended Area for Continuous Operation</i> section.....	32
• Changed Table 8 .....	39

The datasheet number will be changing.

Device Family	Change From:	Change To:
TPS7A84	SBVS233A	SBVS233B

These changes may be reviewed at the datasheet links provided.

<http://www.ti.com/product/TPS7A84>

#### 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 documentation change announcement only. There are no changes to the actual device.

#### Changes to product identification resulting from this notification:

None.

#### Product Affected:

TPS7A8400RGRR	TPS7A8400RGRT		
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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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