

<b>Notification Number:</b>	20230403004.0	<b>Notification Date:</b>	May 12, 2023
<b>Title:</b>	Datasheet for ALM2403-Q1		
<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.



**ALM2403-Q1**

SBOSA37A – NOVEMBER 2020 – REVISED MARCH 2023

Changes from Revision * (November 2020) to Revision A (May 2022)	Page
• Changed output current from 650 mA to 500 mA in <i>Features</i> .....	1
• Changed title and Y-axis unit in front-page plot .....	1
• Changed pin names to synchronize pin naming throughout document.....	3
• Changed thermal pad description text for clarity.....	3
• Changed voltage range for $V_{OTF/SH\_DN}$ in the <i>Absolute Maximum Ratings</i> .....	4
• Changed all $V_S$ voltages to single-supply nomenclature in the <i>Electrical Characteristics and Typical Characteristics</i> .....	5
• Deleted test conditions from enable high and low input voltages in the <i>Electrical Characteristics</i> .....	5
• Moved shutdown current parameter to Power Supply section in the <i>Electrical Characteristics</i> .....	5
• Changed Figures 6-12 through 6-16 to correct axis units and values.....	7
• Changed functional block diagram to correct inaccuracies.....	12
• Changed EMC capacitance from 50 nF to 10 nF in Table 8-1, <i>Design Parameters</i> .....	16
• Added test condition to first bullet of <i>Detailed Design Procedure</i> .....	17
• Changed R3 to R2 in 2nd paragraph of <i>Filter Design</i> section.....	17
• Changed terms in Equation 4 to Equation 6 for clarity.....	18
• Changed Figure 8-4, <i>2nd-Order MFB LP Filter AC Output Characteristics</i> .....	19
• Changed values in Table 8-2, <i>Signal Attenuation vs Frequency</i> .....	19
• Changed Figure 8-6, <i>ALM2403-Q1 Layout Example</i> , to match EVM layout.....	20

The datasheet number will be changing.

Device Family	Change From:	Change To:
ALM2403-Q1	SBOSA37	SBOSA37A

These changes may be reviewed at the datasheet links provided.

<http://www.ti.com/product/ALM2403-Q1>

**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:**

ALM2403QPWRQ1			
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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.

Location	E-Mail
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