



<b>Title of Change:</b>	NCP81233MNTXG Vout System Spec Accuracy Datasheet update.
<b>Effective date:</b>	24 January 2019
<b>Contact information:</b>	Contact your local ON Semiconductor Sales Office or < <a href="mailto:tien.nguyen@onsemi.com">tien.nguyen@onsemi.com</a> >
<b>Type of notification:</b>	This Product Bulletin is for notification purposes only. ON Semiconductor will proceed with implementation of this change upon publication of this Product Bulletin.
<b>Change Category:</b>	<input type="checkbox"/> Wafer Fab <input type="checkbox"/> Assembly Change <input type="checkbox"/> Test Change <input checked="" type="checkbox"/> Other <u>Datasheet</u>

**Change Sub-Category(s):**

- ☐ Manufacturing Site Addition
 ☐ Material Change
 ☒ Datasheet/Product Doc change  
☐ Manufacturing Site Transfer
 ☐ Product specific change
 ☐ Shipping/Packaging/Marking  
☐ Manufacturing Process Change
 ☐ Other: \_\_\_\_\_

**Sites Affected:**ON Semiconductor Sites:  
NoneExternal Foundry/Subcon Sites:  
None**Description and Purpose:**

The purpose of this notification is to inform customers about a datasheet update.

**Current:****SYSTEM VOLTAGE ACCURACY**

System Voltage Accuracy	0.5 V ≤ DAC ≤ 1.52 V	-40°C to 85°C		-7		7	mV
	Or	-40°C to 125°C		-10		10	
	0.25 V ≤ DAC ≤ 0.495 V	-40°C to 85°C		-8		8	
	Or	-40°C to 125°C		-12		12	

**Change to:****ELECTRICAL CHARACTERISTICS**

(V<sub>DD</sub> = 12V, typical values are referenced to T<sub>A</sub> = T<sub>J</sub> = 25 °C, Min and Max values are referenced to T<sub>A</sub> = T<sub>J</sub> = -40°C to 100°C, unless other noted.)

**SYSTEM VOLTAGE ACCURACY**

System Voltage Accuracy (V = V <sub>DAC</sub> or V <sub>REFIN</sub> )	1.0V < V ≤ 1.52V	- 40°C to 85°C		-7		7	mV
		- 40°C to 125°C		-10		10	
	0.7V ≤ V ≤ 1.0V	- 40°C to 85°C		-0.5		0.5	%
		- 40°C to 125°C		-1.0		1.0	
	0.5V ≤ V < 0.7V	- 40°C to 85°C		-7		7	mV
		- 40°C to 125°C		-10		10	
	0.25V ≤ V < 0.5V	- 40°C to 85°C		-8		8	mV
		- 40°C to 125°C		-12		12	

Tighten System Voltage Accuracy Spec. from 0.7V to 1.0V DAC condition to cover the better application range.

- From +/-7mV: To: 0.5%, Temp from -40 to 85Deg, tighter.
- From +/-10mV: To: 1%, Temp from -40 to 125Deg, wider.



The datasheet update does not impact form fit or function of the product.

*To view attachments:*

1. Download pdf copy of the PCN to your computer
2. Open the downloaded pdf copy of the PCN
3. Click on the paper clip icon available on the menu provided in the left/bottom portion of the screen to reveal the Attachment field
4. Then click on the attached file/s

#### List of Affected Parts:

**Note:** Only the standard (off the shelf) part numbers are listed in the parts list. Any custom parts affected by this PCN are shown in the customer specific PCN addendum in the PCN email notification, or on the [PCN Customized Portal](#).

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