



<b>Title of Change:</b>	NCV8182C datasheet update
<b>Effective date:</b>	01 Dec 2020
<b>Contact information:</b>	Contact your local ON Semiconductor Sales Office or <a href="mailto:Juraj.Kremmer@onsemi.com">Juraj.Kremmer@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>	Datasheet/Product Doc change
<b>Change Sub-Category(s):</b>	Datasheet/Product Doc change

**Sites Affected:**

ON Semiconductor Sites	External Foundry/Subcon Sites
None	None

**Description and Purpose:**

Definition of MIN/MAX limits (updating "TBD") for the newly added test conditions of the Reverse Current parameters ( $I_{out\_rev}$  and  $I_{in\_rev}$ ) in the ELECTRICAL CHARACTERISTICS table on page 4 of the datasheet NCV8182C/D.

$I_{out\_rev}$  @  $V_{in} = 2.5\text{ V}$ ,  $V_{REF/EN} = 5\text{ V}$ ,  $V_{out} = 16\text{ V}$

$I_{in\_rev}$  @  $V_{in} = 6\text{ V}$ ,  $V_{REF/EN} = 5\text{ V}$ ,  $V_{out} = 16\text{ V}$ ,  $T_J = 150^\circ\text{C}$

Change from NCV8182C/D, August, 2020 – Rev. 1, page 4:

Parameter	Test Conditions	Symbol	Min	Typ	Max	Unit
<b>REVERSE CURRENT PROTECTION</b>						
Reverse Current	$V_{in} = 0\text{ V}$ , $V_{REF/EN} = 0\text{ V}$ , $V_{out} = 5\text{ V}$ (Note 9)	$I_{out\_rev}$	–	0.1	1.5	mA
	$V_{in} = 2.5\text{ V}$ , $V_{REF/EN} = 5\text{ V}$ , $V_{out} = 16\text{ V}$ (Notes 5, 9)		–	0.09	TBD	
	$V_{in} = 6\text{ V}$ , $V_{REF/EN} = 5\text{ V}$ , $V_{out} = 16\text{ V}$ , $T_J = 150^\circ\text{C}$ (Notes 5, 9)	$I_{in\_rev}$	TBD	-0.03	–	

Change to NCV8182C/D, December, 2020 – Rev. 2, page 4:

Parameter	Test Conditions	Symbol	Min	Typ	Max	Unit
<b>REVERSE CURRENT PROTECTION</b>						
Reverse Current	$V_{in} = 0\text{ V}$ , $V_{REF/EN} = 0\text{ V}$ , $V_{out} = 5\text{ V}$ (Note 9)	$I_{out\_rev}$	–	0.1	1.5	mA
	$V_{in} = 2.5\text{ V}$ , $V_{REF/EN} = 5\text{ V}$ , $V_{out} = 16\text{ V}$ (Notes 5, 9)		–	0.09	1.5	
	$V_{in} = 6\text{ V}$ , $V_{REF/EN} = 5\text{ V}$ , $V_{out} = 16\text{ V}$ , $T_J = 150^\circ\text{C}$ (Notes 5, 9)	$I_{in\_rev}$	-0.5	-0.03	–	

The change will not impact form, fit, or function of product.

**List of Affected Standard 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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