



<b>Title of Change:</b>	NCV47700/01/10/11 datasheet update
<b>Effective date:</b>	1 July 2017
<b>Contact information:</b>	Contact your local ON Semiconductor Sales Office or < William.Clemens@onsemi.com >
<b>Type of notification:</b>	ON Semiconductor will consider this change accepted.
<b>Change category:</b>	<input type="checkbox"/> Wafer Fab Change <input type="checkbox"/> Assembly Change <input type="checkbox"/> Test Change <input checked="" type="checkbox"/> Other <u>Datasheet Update</u>

<b>Change Sub-Category(s):</b> <input type="checkbox"/> Manufacturing Site Change/Addition <input type="checkbox"/> Material Change <input type="checkbox"/> Manufacturing Process Change <input type="checkbox"/> Product specific change		<input checked="" type="checkbox"/> Datasheet/Product Doc change <input type="checkbox"/> Shipping/Packaging/Marking <input type="checkbox"/> Other: _____
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<b>Sites Affected:</b> <input type="checkbox"/> All site(s) <input checked="" type="checkbox"/> not applicable <input type="checkbox"/> ON Semiconductor site(s) :		<input type="checkbox"/> External Foundry/Subcon site(s)
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**Description and Purpose:**

Adding REVERSE BIAS CURRENT to the datasheets of all 4 versions of the NCV477xx family (00/01/10/11).  
 The new parameter Reverse Bias Current will be guaranteed by design only, not going to be tested in production (note11 in the datasheet).

Example:  
 NCV47701/D, Page 4:

CSO Current at No Load Current	$V_{CSO} = 0\text{ V}, I_{out} = 0\text{ mA}, (V_{out\_nom} = 5\text{ V})$	$I_{CSO\_off}$	-	-	10	$\mu\text{A}$
<b>REVERSE BIAS CURRENT</b>						
Reverse Current (Note 11)	$V_{in} = 12\text{ V}, V_{out} = 14\text{ V}$	$I_{out\_rev}$	-40	-25	!	mA
<b>THERMAL SHUTDOWN</b>						
Thermal Shutdown Temperature	$I_{out} = 5\text{ mA}$	$T_{SD}$	150	-	195	$^{\circ}\text{C}$
9. Measured when the output voltage $V_{out}$ has dropped -2% from the nominal value obtained at $V_{in} = V_{out\_nom} + 8.5\text{ V}$ . 10. Not guaranteed in dropout. 11. Values based on design and/or characterization.						

The same update is to be done to the datasheets of the other 3 versions of the NCV477xx family (00/10/11).

The change will not impact form, fit, or function of product(s)

**List of affected Standard Parts:**

- NCV47700DAJR2G
- NCV47700PDAJR2G
- NCV47701DAJR2G
- NCV47701PDAJR2G
- NCV47710DAJR2G
- NCV47710PDAJR2G
- NCV47711DAJR2G
- NCV47711PDAJR2G