



Title of Change:	NCV47700/01/10/11 datasheet update
Effective date:	1 July 2017
Contact information:	Contact your local ON Semiconductor Sales Office or < William.Clemens@onsemi.com >
Type of notification:	ON Semiconductor will consider this change accepted.
Change category:	<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>

Change Sub-Category(s):		<input checked="" type="checkbox"/> Datasheet/Product Doc change
<input type="checkbox"/> Manufacturing Site Change/Addition	<input type="checkbox"/> Material Change	<input type="checkbox"/> Shipping/Packaging/Marking
<input type="checkbox"/> Manufacturing Process Change	<input type="checkbox"/> Product specific change	<input type="checkbox"/> Other: _____

Sites Affected:	<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	μA
REVERSE BIAS CURRENT						
Reverse Current (Note 11)	$V_{in} = 12\text{ V}, V_{out} = 14\text{ V}$	I_{out_rev}	-40	-25	!	mA
THERMAL SHUTDOWN						
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