ON Semiconductor®

Product Bulletin

Document # : PB21778Z
Issue Date: 29 June 2017

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:	☐ Wafer Fab Change ☐ Assembly Change ☐ Test Change ☒ Other Datasheet Update

Change Sub-Category(s):

☐ Manufacturing Site Change/Addition
☐ Manufacturing Process Change
☐ Material Change
☐ Product specific change
☒ Datasheet/Product Doc change
☐ Shipping/Packaging/Marking
☐ Other: _____

Sites Affected:

☐ All site(s) ☒ not applicable ☐ ON Semiconductor site(s) : ☐ External Foundry/Subcon site(s)

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 V, I_{out} = 0 mA, (V_{out_nom} = 5 V)	I_{CSO_off}	–	–	10	μA
REVERSE BIAS CURRENT						
Reverse Current (Note 11)	V_{in} = 12V, V_{out} = 14 V	I_{out_rev}	-40	-25	-	mA
THERMAL SHUTDOWN						
Thermal Shutdown Temperature	I_{out} = 5 mA	T_{SD}	150	–	195	°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 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