



Title of Change:	NCV7707 Datasheet Update – Revision 3
Effective date:	26 April 2016
Contact information:	Contact your local ON Semiconductor Sales Office or Roman Buzas <roman.buzas@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 _____

Change Sub-Category(s): <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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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:

Features list updated

- AEC-Q100 Qualified and PPAP Capable” statement added (page 1)

New OPN added

- NCV7707B added to the Marking Diagram (page 1)
- NCV7707DQBR2G added to the Ordering information table (page 1)

Thermal resistance Junction-to-Case added

- $R\theta_{JC}$ parameter added to Thermal Characteristics table (page 5)

Electrical Characteristics - Current Sense parameters updated

- Current Sense settling time (t_{is}) values updated (page 14)
- Current Sense blanking time parameter added (t_{is_blank}) (page 14)

Package drawing updated to the latest revision

- Modified dimension A2 min value
- Modified dimension b max value

Minor text corrections

- Current Sensing paragraph (page 20)

Electrical Characteristics Summary:

Current Sense settling time (t_{is}) values updated (page 7)

Current Sense blanking time parameter added (t_{is_blank}) (page 7)

Original Datasheet

t_{is}	Current Sense settling time	0 V to FSR (full scale range)		256		μs
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Updated Datasheet

t_{is_blank}	Current Sense blanking time	Blanking time after current sense selection or driver activation	50		65	μs
t_{is}	Current Sense settling time	0 V to FSR (full scale range)		230	265	μs

List of affected Standard Parts:
 NCV7707DQR2G