



PRODUCT BULLETIN
Generic Copy

28-Dec-2005

SUBJECT: ON Semiconductor Product Bulletin #15213

TITLE: NCP30x Family Temperature Specification Clarification

EFFECTIVE DATE: 28-Dec-2005

AFFECTED PRODUCT DIVISION: Analog Power Management

FOR ANY QUESTIONS CONCERNING THIS NOTIFICATION:

Contact your local ON Semiconductor sales office or Todd Manes <rp06650@onsemi.com>

NOTIFICATION TYPE:

ON Semiconductor considers this change approved unless specific conditions of acceptance are provided in writing. To do so, contact your local ON Semiconductor sales office.

DESCRIPTION AND PURPOSE:

ON Semiconductor wishes to promptly notify its customers of a change to the NCP/NCV300, NCP/NCV301, NCP/NCV302, and NCP/NCV303 data sheets. This change clarifies the temperature specification for the Detector Threshold (Vdet-) parameter.

For all <1.1V voltage options, no changes are being made.

For all voltage options 1.1V and greater, the specification is being modified as follows:

From: Vdet- at TA = -40C to +125C: Limit = VNOM +/- 2%

To: Vdet- at TA = +25C: Limit = VNOM +/- 2%

Vdet- at TA = -40C to +125C: Limit = VNOM +/- 3%.

Note that the +25C performance guarantee remains unchanged from the previous datasheet. Only the guaranteed limits at temperatures other than +25C are changing (from +/- 2% to +/- 3%).

This change is necessary to ensure performance to six-sigma limits.



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Affected Parts List

NCP300HSN09T1	NCP301HSN30T1G	NCP302HSN27T1	NCP303LSN18T1G
NCP300HSN09T1G	NCP301HSN45T1	NCP302HSN27T1G	NCP303LSN20T1
NCP300HSN18T1	NCP301HSN45T1G	NCP302HSN30T1	NCP303LSN20T1G
NCP300HSN18T1G	NCP301LSN09T1	NCP302HSN30T1G	NCP303LSN22T1
NCP300HSN27T1	NCP301LSN09T1G	NCP302HSN40T1	NCP303LSN22T1G
NCP300HSN27T1G	NCP301LSN12T1	NCP302HSN40T1G	NCP303LSN23T1
NCP300HSN30T1	NCP301LSN12T1G	NCP302HSN45T1	NCP303LSN23T1G
NCP300HSN30T1G	NCP301LSN16T1	NCP302HSN45T1G	NCP303LSN24T1
NCP300HSN45T1	NCP301LSN16T1G	NCP302LSN09T1	NCP303LSN24T1G
NCP300HSN45T1G	NCP301LSN18T1	NCP302LSN09T1G	NCP303LSN25T1
NCP300HSN47T1	NCP301LSN18T1G	NCP302LSN15T1	NCP303LSN25T1G
NCP300HSN47T1G	NCP301LSN20T1	NCP302LSN15T1G	NCP303LSN26T1
NCP300LSN09T1	NCP301LSN20T1G	NCP302LSN18T1	NCP303LSN26T1G
NCP300LSN09T1G	NCP301LSN22T1	NCP302LSN18T1G	NCP303LSN27T1
NCP300LSN185T1	NCP301LSN22T1G	NCP302LSN20T1	NCP303LSN27T1G
NCP300LSN185T1G	NCP301LSN25T1	NCP302LSN20T1G	NCP303LSN28T1
NCP300LSN18T1	NCP301LSN25T1G	NCP302LSN27T1	NCP303LSN28T1G
NCP300LSN18T1G	NCP301LSN26T1	NCP302LSN27T1G	NCP303LSN29T1
NCP300LSN20T1	NCP301LSN26T1G	NCP302LSN30T1	NCP303LSN29T1G
NCP300LSN20T1G	NCP301LSN27T1	NCP302LSN30T1G	NCP303LSN30T1
NCP300LSN20T3G	NCP301LSN27T1G	NCP302LSN33T1	NCP303LSN30T1G
NCP300LSN27T1	NCP301LSN28T1	NCP302LSN33T1G	NCP303LSN31T1
NCP300LSN27T1G	NCP301LSN28T1G	NCP302LSN38T1	NCP303LSN31T1G
NCP300LSN28T1	NCP301LSN30T1	NCP302LSN38T1G	NCP303LSN32T1
NCP300LSN28T1G	NCP301LSN30T1G	NCP302LSN40T1	NCP303LSN32T1G
NCP300LSN30T1	NCP301LSN31T1	NCP302LSN40T1G	NCP303LSN33T1
NCP300LSN30T1G	NCP301LSN31T1G	NCP302LSN43T1	NCP303LSN33T1G
NCP300LSN33T1	NCP301LSN32T1	NCP302LSN43T1G	NCP303LSN34T1
NCP300LSN33T1G	NCP301LSN32T1G	NCP302LSN45T1	NCP303LSN34T1G
NCP300LSN34T1	NCP301LSN33T1	NCP302LSN45T1G	NCP303LSN36T1
NCP300LSN34T1G	NCP301LSN33T1G	NCP302LSN47T1	NCP303LSN36T1G
NCP300LSN44T1	NCP301LSN34T1	NCP302LSN47T1G	NCP303LSN38T1
NCP300LSN44T1G	NCP301LSN34T1G	NCP303LSN09T1	NCP303LSN38T1G
NCP300LSN45T1	NCP301LSN39T1G	NCP303LSN09T1G	NCP303LSN40T1
NCP300LSN45T1G	NCP301LSN40T1	NCP303LSN10T1	NCP303LSN40T1G
NCP300LSN46T1	NCP301LSN40T1G	NCP303LSN10T1G	NCP303LSN42T1
NCP300LSN46T1G	NCP301LSN42T1	NCP303LSN11T1	NCP303LSN42T1G
NCP300LSN47T1	NCP301LSN42T1G	NCP303LSN11T1G	NCP303LSN44T1
NCP300LSN47T1G	NCP301LSN45T1	NCP303LSN13T1	NCP303LSN44T1G
NCP301HSN09T1	NCP301LSN45T1G	NCP303LSN13T1G	NCP303LSN45T1
NCP301HSN09T1G	NCP301LSN46T1	NCP303LSN14T1	NCP303LSN45T1G
NCP301HSN18T1	NCP301LSN46T1G	NCP303LSN14T1G	NCP303LSN46T1
NCP301HSN18T1G	NCP301LSN47T1	NCP303LSN15T1	NCP303LSN46T1G
NCP301HSN22T1	NCP301LSN47T1G	NCP303LSN15T1G	NCP303LSN47T1
NCP301HSN22T1G	NCP302HSN09T1	NCP303LSN16T1	NCP303LSN47T1G
NCP301HSN27T1	NCP302HSN09T1G	NCP303LSN16T1G	NCP303LSN49T1
NCP301HSN27T1G	NCP302HSN18T1	NCP303LSN17T1	NCP303LSN49T1G
NCP301HSN30T1	NCP302HSN18T1G	NCP303LSN18T1	NCV300LSN28T1



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NCV300LSN28T1G
NCV301LSN12T1
NCV301LSN12T1G
NCV301LSN16T1
NCV301LSN16T1G
NCV301LSN28T1
NCV301LSN28T1G
NCV301LSN40T1
NCV301LSN40T1G
NCV303LSN10T1
NCV303LSN10T1G
NCV303LSN15T1G
NCV303LSN23T1G
NCV303LSN29T1
NCV303LSN29T1G
NCV303LSN30T1
NCV303LSN30T1G
NCV303LSN44T1
NCV303LSN44T1G
NCV303LSN45T1G
NCV303LSN46T1
NCV303LSN47T1
NCV303LSN47T1G
NCV303LSN49T1
NCV303LSN49T1G