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|--------------------------------|--|--|
| <b>Title of Change:</b>        | Datasheet update for NCV5700/NCD5700/01 series, DESAT charge current.  |  |
| <b>Effective date:</b>         | 4 April 2018   |  |
| <b>Contact information:</b>    | Contact your local ON Semiconductor Sales Office or <Zarfaq.Jaffery@onsemi.com>  |  |
| <b>Type of notification:</b>   | This Product Bulletin is for notification purposes only. ON Semiconductor will proceed with implementation of this change upon publication of this Product Bulletin.   |  |
| <b>Change category:</b>        | <input type="checkbox"/> Wafer Fab Change <input type="checkbox"/> Assembly Change <input checked="" type="checkbox"/> Test Change <input type="checkbox"/> Other _____  |  |
| <b>Change Sub-Category(s):</b> | <input checked="" type="checkbox"/> Datasheet/Product Doc change<br><input type="checkbox"/> Manufacturing Site Change/Addition <input type="checkbox"/> Material Change <input type="checkbox"/> Shipping/Packaging/Marking<br><input type="checkbox"/> Manufacturing Process Change <input type="checkbox"/> Product specific change <input type="checkbox"/> Other: _____ |  |
| <b>Sites Affected:</b>         | ON Semiconductor Sites:<br>ON Carmona, Philippines   | External Foundry/Subcon Sites:<br>None |

**Description and Purpose:**

Based on additional test data, we are widening the limits for parameter I<sub>DESAT-CHG</sub> to improve the yield. There is no change to the current product form, fit, or function. The new specification reflects a guard banded limit, enabling ON Semiconductor maintain its high quality standards.

**New Datasheet**

DESAT PROTECTION

|                            |                        |      |      |      |    |
|----------------------------|------------------------|------|------|------|----|
| DESAT Threshold Voltage    | V <sub>DESAT-THR</sub> | 6.0  | 6.35 | 7.0  | V  |
| Blanking Charge Current    | I <sub>DESAT-CHG</sub> | 0.20 | 0.24 | 0.28 | mA |
| Blanking Discharge Current | I <sub>DESAT-DIS</sub> |      | 30   |      | mA |

**Current Datasheet**

DESAT PROTECTION

|                            |                        |      |      |      |    |
|----------------------------|------------------------|------|------|------|----|
| DESAT Threshold Voltage    | V <sub>DESAT-THR</sub> | 6.0  | 6.35 | 7.0  | V  |
| Blanking Charge Current    | I <sub>DESAT-CHG</sub> | 0.22 | 0.25 | 0.28 | mA |
| Blanking Discharge Current | I <sub>DESAT-DIS</sub> |      | 30   |      | mA |

**List of Affected Standard Parts:**

- NCD5700DR2G
- NCD5701ADR2G
- NCD5701BDR2G
- NCD5701CDR2G
- NCV5700DR2G
- SNCV5700DR2G



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## Appendix A: Changed Products

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| Product      | Customer Part Number |
|--------------|----------------------|
| NCD5700DR2G  |                      |
| NCD5701ADR2G |                      |
| NCD5701BDR2G |                      |
| NCD5701CDR2G |                      |
| NCV5700DR2G  |                      |
| SNCV5700DR2G |                      |