



Title of Change:	LUPA3000 Micro Lens Material change
Effective date:	13 November 2017
Contact information:	Contact your local ON Semiconductor Sales Office or Danny.Scheffer@onsemi.com
Type of notification:	This Product Bulletin is for notification purposes only. ON Semiconductor will proceed with implementation of this change upon publication of this Product Bulletin.
Change category:	<input type="checkbox"/> Wafer Fab Change <input type="checkbox"/> Assembly Change <input type="checkbox"/> Test Change <input checked="" type="checkbox"/> Other <u>Material change</u>

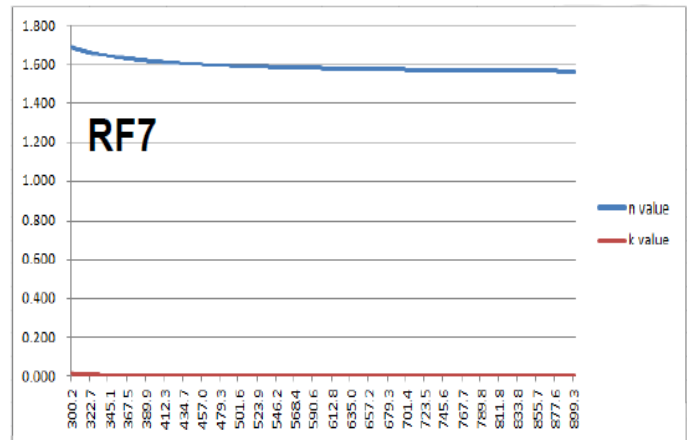
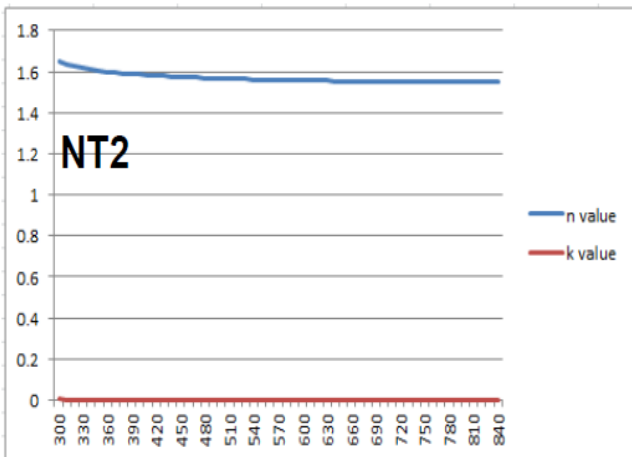
Change Sub-Category(s):		<input type="checkbox"/> Datasheet/Product Doc change
<input type="checkbox"/> Manufacturing Site Change/Addition	<input checked="" type="checkbox"/> Material Change	<input type="checkbox"/> Shipping/Packaging/Marking
<input type="checkbox"/> Manufacturing Process Change	<input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

Sites Affected:	ON Semiconductor Sites: ON Mechelen, Belgium	External Foundry/Subcon Sites: None
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Description and Purpose:

With this Product Bulletin (PB), ON Semiconductor would like to inform all customers using the high speed CMOS image sensor family 'LUPA3000' of the following:

Effective November 1st 2017, the LUPA3000 and all related OPNs (Orderable Part Numbers) will have micro lenses using the RF7 material, whereas all units shipped till September 30, 2017 featured micro lenses using the NT2 material. The graphs below show the difference between both materials, which per these graphs is minimal to non-existent. For clarity purposes, please note that the labels 'NT2' and 'RF7' have been specified by our supplier and refer to the material and process used.



The reason for moving over to RF7 material by our supplier is twofold:

- Better process control guaranteeing an improved stability
- RF7 is more commonly used material, passing the supplier's internal Qualification and Change Control Boards

For these reasons, NT2 is no longer supported by the supplier. ON Semiconductor is unfortunately not able to offer a Last Time Buy scenario and will move over to the RF7 material for any shipments after November 1st, 2017. Given the similarities in performance (see the graphs above), ON Semiconductor feels this change will not affect the sensor performance and as such this change is acceptable and approved by the ON Semiconductor internal review boards.



As part of the material switch, ON Semiconductor might ship LUPA3000 units having either RF7 or NT2 (or a mix of both variants) micro lenses to fulfil open orders. No specific labelling or revised part numbers (OPN) will be provided and all LUPA3000 OPNs will remain the same.

In case of any questions, please refer to your local sales support representative or Danny.Scheffer@onsemi.com.

List of Affected Standard Parts:

NOIL1SE3000A-GDC
NOIL1SN3000A-GDC



Appendix A: Changed Products

Product	Customer Part Number
NOIL1SE3000A-GDC	
NOIL1SN3000A-GDC	