



FINAL PRODUCT/PROCESS CHANGE NOTIFICATIONGeneric Copy

15 Jul 2008**SUBJECT: ON Semiconductor Final Product/Process Change Notification #16133****TITLE: Dual Source ISMF Wafer Fab Qualification for Zener Products****PROPOSED FIRST SHIP DATE: 15 Oct 2008****AFFECTED CHANGE CATEGORY(S): ON Semiconductor Fab Site****AFFECTED PRODUCT DIVISION(S): Discrete Products Division****FOR ANY QUESTIONS CONCERNING THIS NOTIFICATION:**Contact your local ON Semiconductor Sales Office or Kok Kheong Lim <ffwffn@onsemi.com>**SAMPLES:** Contact your local ON Semiconductor Sales Office**ADDITIONAL RELIABILITY DATA:** AvailableContact your local ON Semiconductor Sales Office or Laura Rivers <laura.rivers@onsemi.com>**NOTIFICATION TYPE:**

Final Product/Process Change Notification (FPCN)

Final change notification sent to customers. FPCNs are issued at least 90 days prior to implementation of the change.

ON Semiconductor will consider this change approved unless specific conditions of acceptance are provided in writing within 30 days of receipt of this notice. To do so, contact your local ON Semiconductor Sales Office.

DESCRIPTION AND PURPOSE:

This is the Final notification announcing that ON Semiconductor is adding wafer fabrication capacity for the Zener/TVS products listed herein at the ISMF wafer fab in Seremban, Malaysia. The ISMF facility is an ON Semiconductor owned wafer fab that has been producing products for ON Semiconductor since 1998. Several existing technologies within ON Semiconductor's product families are currently sourced from ISMF, including Zener Diodes, Small Signal, and USB array filter products.

Quality and performance will be equal to current products. Electrical performance, datasheets and package dimensions will not change.

**Final Product/Process Change Notification #16133****RELIABILITY DATA SUMMARY:****Reliability Test Results:**

Test	Conditions	Results
PreConditioning	MSL 1 @ 260C	0/240
Temp Cycle + PC	Ta= - 65 to 150C 1000 cycles	0/240
HTRB	Ta= 150C, Vbr=25V, 1008 hrs	0/240
HTSL	Ta= 150C, 1008 hours	0/240

ELECTRICAL CHARACTERISTIC SUMMARY:

Characterization summary of qual(ISMF) and control(Z/R) lots.

1) DC electrical parametric test(Vbr,IR and Vf)at -55C, 25C and 150C:

Found no-significant difference and well within all spec limits for both groups.

2) ESD Rating: Compliance to IEC61000-4-2 15kV(air) and 8kV(contact) for both groups.

CHANGED PART IDENTIFICATION:

Product with a date code of 0842 (or NP or X) or later may be sourced from the ISMF facility.

**Final Product/Process Change Notification #16133****AFFECTED DEVICE LIST**

NUP4201MR6T1
NUP4201MR6T1G
SMS05CT1
SMS05CT1G
SMS12CT1
SMS12CT1G
SMS15CT1
SMS15CT1G
SMS24CT1
SMS24CT1G
LC03-6R2
LC03-6R2G
NUP4201DR2
NUP4201DR2G
SRDA05-4R2
SRDA05-4R2G
SMF05CT1
SMF05CT1G
SMF05CT2
SMF05CT2G
SMF12CT1
SMF12CT1G
SMF15CT1
SMF15CT1G
SMF24CT1
SMF24CT1G
NUP5120X6T1
NUP5120X6T1G
NUP5120X6T2
NUP5120X6T2G
NUP5150MUTBG