



**Update Notification
Generic Copy**

19-AUG-2004

SUBJECT: ON Semiconductor Update Notification 13570

TITLE: Update to IPCN 13544 Qual of ON Semiconductor Seremban Wafer Fab as Secondary Source for Zener Products.

EFFECTIVE DATE: 20-Nov-2004

AFFECTED CHANGE CATEGORY:

ON Semiconductor Fab Site
Wafer Process

AFFECTED PRODUCT DIVISION: Discretes Products

ADDITIONAL RELIABILITY DATA: None

SAMPLES: No

FOR ANY QUESTIONS CONCERNING THIS NOTIFICATION:

Contact Sales Office or Paul Lem <FFBFBM@onsemi.com >

NOTIFICATION TYPE:

Initial Product/Process Change Notification (IPCN) - First Notification distributed to customers.
Distributed at least 120 days from the effective date of the change.

Final Product/Process Change Notification (FPCN) - Final Notification completing the notification process. Distributed at least 60 days from the effective date 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:

***** UPDATE to IPCN#13544 *****
* IPCN #13544 had a distribution problem due to a system issue. *
* ON Semiconductor cannot confirm that all impacted customers were notified. *
* The effective date of 20-NOV-2004 is still valid and will be used for the FPCN effective date. *
* Any customer which needs more time because of this shortened evaluation time should contact *
* ON Semiconductor. *
* ON Semiconductor apologizes for this inconvenience. *

ON Semiconductor is announcing the qualification of Seremban Wafer FAB as a secondary source for Zener technology. This added capacity will allow ON Semiconductor to better service our customers. ON Semiconductor Seremban Wafer FAB is an internal factory that is ISO-TS16949, ISO-9001 and ISO-14000 certified.

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



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QUALIFICATION PLAN:

Qualification Vehicle:

Three different qualification vehicles have been carefully selected to address all critical variables and interactions of wafer design features, process considerations, mechanical construction and electrical characteristics

SMC: 1.5SMC91AT3

SMA: 1SMA5940BT3

SOT-23: MMBZ5270BLT1

Test:	Conditions:	Interval:	Sample Size: (Units x Lots)
HTRB	TA=150C, 80% Rated Voltage	1008 hrs	80 x 4
Precondition	MSL1, IR at 235C/260C,	96 hrs	320 x 4
Autoclave	T=121C/100% RH/15 psig	96 hrs	80 x 4
H3TRB-PC	T=85C/85% RH/80% Rated Voltage 100V Max	1008 hrs	80 x 4
IOL-PC	T=25C, Delta TJ = 100C, Ton/off = 2 min.	15000 cyc	80 x 4
TC-PC	T= -65C to 150C	1000 cyc	80 x 4
DPA	Per AECQ101, after TC and H3TRB		
RSH	Resistance to Solder Heat - 260C		10 x 3

AFFECTED DEVICE LIST (WITHOUT SPECIALS):

PART

- 1.5KE100ARL4
- 1.5KE10A
- 1.5KE10ARL4
- 1.5KE110ARL4
- 1.5KE11A
- 1.5KE11ARL4
- 1.5KE120ARL4
- 1.5KE12A
- 1.5KE12ARL4
- 1.5KE130A
- 1.5KE130ARL4
- 1.5KE13ARL4
- 1.5KE150A
- 1.5KE150ARL4
- 1.5KE15A
- 1.5KE15ARL4
- 1.5KE160ARL4
- 1.5KE16A
- 1.5KE16ARL4
- 1.5KE170ARL4
- 1.5KE180A
- 1.5KE180ARL4
- 1.5KE18A
- 1.5KE18ARL4
- 1.5KE200A
- 1.5KE200ARL4
- 1.5KE20A
- 1.5KE20ARL4
- 1.5KE220ARL4
- 1.5KE22A
- 1.5KE22ARL4
- 1.5KE24A



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- 1.5KE24ARL4
- 1.5KE250A
- 1.5KE250ARL4
- 1.5KE27A
- 1.5KE27ARL4
- 1.5KE30A
- 1.5KE30ARL4
- 1.5KE33A
- 1.5KE33ARL4
- 1.5KE36A
- 1.5KE36ARL4
- 1.5KE39ARL4
- 1.5KE43A
- 1.5KE43ARL4
- 1.5KE47A
- 1.5KE47ARL4
- 1.5KE51ARL4
- 1.5KE56A
- 1.5KE56ARL4
- 1.5KE6.8A
- 1.5KE6.8ARL4
- 1.5KE62A
- 1.5KE62ARL4
- 1.5KE68A
- 1.5KE68ARL4
- 1.5KE7.5A
- 1.5KE75A
- 1.5KE75ARL4
- 1.5KE8.2A
- 1.5KE8.2ARL4
- 1.5KE82A
- 1.5KE82ARL4
- 1.5KE9.1A
- 1.5KE9.1ARL4
- 1.5KE91ARL4
- 1.5SMC10AT3
- 1.5SMC11AT3
- 1.5SMC12AT3
- 1.5SMC12AT3G
- 1.5SMC13AT3
- 1.5SMC13AT3G
- 1.5SMC15AT3
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- 1.5SMC18AT3G
- 1.5SMC20AT3
- 1.5SMC20AT3G
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- 1.5SMC22AT3G
- 1.5SMC24AT3
- 1.5SMC24AT3G
- 1.5SMC27AT3
- 1.5SMC27AT3G
- 1.5SMC30AT3



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- 1.5SMC30AT3G
- 1.5SMC33AT3
- 1.5SMC33AT3G
- 1.5SMC36AT3
- 1.5SMC36AT3G
- 1.5SMC39AT3
- 1.5SMC39AT3G
- 1.5SMC43AT3
- 1.5SMC43AT3G
- 1.5SMC47AT3
- 1.5SMC47AT3G
- 1.5SMC51AT3
- 1.5SMC51AT3G
- 1.5SMC56AT3
- 1.5SMC56AT3G
- 1.5SMC6.8AT3
- 1.5SMC6.8AT3G
- 1.5SMC62AT3
- 1.5SMC62AT3G
- 1.5SMC68AT3
- 1.5SMC7.5AT3
- 1.5SMC7.5AT3G
- 1.5SMC75AT3
- 1.5SMC75AT3G
- 1.5SMC8.2AT3
- 1.5SMC8.2AT3G
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- 1.5SMC91AT3
- 1.5SMC91AT3G
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- 1N5357BRL
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- 1N5360B
- 1N5360BRL



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1PMT12AT3G



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- 1PMT16AT3G
- 1PMT18AT1
- 1PMT18AT3
- 1PMT22AT1
- 1PMT22AT3
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- 1PMT5929BT1G
- 1PMT5929BT3
- 1PMT5930BT1
- 1PMT5930BT3
- 1PMT5931BT1
- 1PMT5931BT3
- 1PMT5933BT1
- 1PMT5933BT3



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- 1SMB5956BT3
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- 1SMB6.0AT3
- 1SMB6.0AT3G
- 1SMB6.5AT3
- 1SMB60AT3
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- 1SMB7.0AT3
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- 1SMB70AT3
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- 1SMB75AT3
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- 1SMB8.5AT3
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ICTE-010
ICTE-012
ICTE-015
ICTE-018
ICTE-022
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SA10ARL
SA110A
SA11A



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SA64A
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SA64ARL
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SA70A
SA78A
SA8.0A
SA8.5A
SA9.0ARL
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