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**UPDATE CHANGE NOTIFICATION**

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**08-Feb-2007**

**SUBJECT: ON Semiconductor Update Notification # 15727**

**TITLE: Update to Notification 15719 for ISMF to ZR Wafer Fab Transfer**

**PROPOSED FIRST SHIP DATE: 01-June-2007**

**AFFECTED CHANGE CATEGORY(S): ON Semiconductor Fab Site**

**AFFECTED PRODUCT DIVISION(S): Consumer & Digital Group**

**ADDITIONAL RELIABILITY DATA:** Available

Contact your local ON Semiconductor Sales Office or Laura Rivers <[laura.rivers@onsemi.com](mailto:laura.rivers@onsemi.com)>

**SAMPLES:** Contact your local ON Semiconductor Sales Office

**FOR ANY QUESTIONS CONCERNING THIS NOTIFICATION:**

Contact your local ON Semiconductor Sales Office or Shilpa Rao at <[Shilpa.Rao@onsemi.com](mailto:Shilpa.Rao@onsemi.com)>

**NOTIFICATION TYPE:**

This Update to UN15719 clarifies the Proposed Ship Date for the following devices as June 1, 2007:

MDC3105DMT1/G

MDC3105LT1/G

SUY98005LT1/G

NDC3105LT1/G

The remainder text is identical to UN15719.

ON Semiconductor will consider this change approved unless specific conditions of acceptance are provided in writing within 60 days of receipt of this notice. To do so, contact your local ON Semiconductor Sales Office.

**DESCRIPTION AND PURPOSE:**

This Update to UN15719 changes the Proposed Ship Date to be correctly stated as June 1, 2007. The remainder text below is identical to UN15719.

UN15719, available at [www.onsemi.com](http://www.onsemi.com), specifically covers the above listed finished goods. UN15719 is an update to FPCN 15571.

FPCN 15571 notified customers of ON Semiconductor of the addition of their internal ZR fab located in Phoenix, AZ as a second source for Small Signal PNP Transistors, Switching Diodes, Digital Transistors, and USB Filters. These devices will also continue to be manufactured in ON Semiconductor's ISMF facility in Seremban, Malaysia. This will provide ON Semiconductor with added flexibility to continue to satisfy customer requirements and growing demands.

The device design, datasheet specifications, and mask sets will remain identical; and full electrical characterization over temperature will be reviewed.

**Update Notification #15727****RELIABILITY DATA SUMMARY:****BAS21LT1 (SWDI)**

HTRB Ta=150C, Vr=200V, 1008 hrs 0/240  
Pre Cond MSL1 @ 260C 0/959  
IOL + PC Ta=25C, delta Tj=100C max,  
Ton=Toff=2min 15000 cycles 0/240  
AC + PC Ta=121C, RH=100%, P=15psig 96 hrs 0/240  
TC+PC Ta= -65/150C 1000 cycles 0/239  
H3TRB+PC Ta=85C, RH=85%, P=18.8psig Vr=100V  
1008 hrs 0/240  
HTSL Ta=150C, 1008 hrs 0/240

**MMBT2369ALT1**

HTRB Ta=150C, VCEs=32V, 1008 hrs 0/240  
Pre Cond MSL1 @ 260C 0/959  
IOL + PC Ta=25C, delta Tj=100C max,  
Ton=Toff=2min 15000 cycles 0/240  
AC + PC Ta=121C, RH=100%, P=15psig 96 hrs 0/239  
TC+PC Ta= -65/150C, 1000 cycles 0/240  
HAST+PC Ta=130C, RH=85%, P=18.8psig  
VCEs=32V, 96 hrs 0/240  
HTSL Ta=150C, 1008 hrs 0/240  
MMBT589LT1  
HTRB Ta=150C, VCEs=40V, 1008 hrs 0/240  
Pre Cond MSL1 @ 260C 0/959  
IOL + PC Ta=25C, delta Tj=100C max,  
Ton=Toff=2min 15000 cycles 0/240  
AC + PC Ta=121C, RH=100%, P=15psig 96 hrs 0/239  
TC+PC Ta= -65/150C, 1000 cycles 0/240  
HAST+PC Ta=130C, RH=85%, P=18.8psig  
VCEs=40V, 96 hrs 0/240  
HTSL Ta=150C, 1008 hrs 0/240

**DTC114YM3T5G (BRT)**

HTRB Ta=150C, VCes=40V, 1008 hrs 0/80  
Pre Cond MSL1 @ 260C 0/80  
IOL + PC Ta=25C, delta Tj=100C max,  
Ton=Toff=2min 15000 cycles 0/80  
AC + PC Ta=121C, RH=100%, P=15psig 96 hrs 0/80  
TC+PC Ta= -65/150C, 1000 cycles 0/80  
H3TRB+PC Ta=85C, RH=85%, P=18.8psig  
VCEs=40V, 1008 hrs 0/80  
HTSL Ta=150C, 1008 hrs 0/80

**MMUN2230LT1 (DTC113) (BRT)**

HTRB Ta=150C, VCes=40V, 1008 hrs 0/80  
Pre Cond MSL1 @ 260C 0/80  
IOL + PC Ta=25C, delta Tj=100C max,  
Ton=Toff=2min 15000 cycles 0/80  
AC + PC Ta=121C, RH=100%, P=15psig 96 hrs 0/80  
TC+PC Ta= -65/150C, 1000 cycles 0/80  
H3TRB+PC Ta=85C, RH=85%, P=18.8psig  
VCEs=40V, 1008 hrs 0/80  
HTSL Ta=150C, 1008 hrs 0/80

**Update Notification #15727****DTC115EM3T5G (BRT)**

HTRB Ta=150C, VCes=40V, 1008 hrs 0/80  
Pre Cond MSL1 @ 260C 0/80  
IOL + PC Ta=25C, delta Tj=100C max,  
Ton=Toff=2min 15000 cycles 0/80  
AC + PC Ta=121C, RH=100%, P=15psig 96 hrs 0/80  
TC+PC Ta= -65/150C, 1000 cycles 0/80  
H3TRB+PC Ta=85C,RH=85%,P=18.8psig  
VCEs=40V, 1008 hrs 0/80  
HTSL Ta=150C, 1008 hrs 0/80

**MMUN2214LT1 (BRT)**

HTRB Ta=150C, VCes=40V, 1008 hrs 0/80  
Pre Cond MSL1 @ 260C 0/80  
IOL + PC Ta=25C, delta Tj=100C max,  
Ton=Toff=2min 15000 cycles 0/80  
AC + PC Ta=121C, RH=100%, P=15psig 96 hrs 0/80  
TC+PC Ta= -65/150C, 1000 cycles 0/80  
H3TRB+PC Ta=85C,RH=85%,P=18.8psig  
VCEs=40V, 1008 hrs 0/80  
HTSL Ta=150C, 1008 hrs 0/80

**STF202-22T1 (filters)**

Pre Cond MSL1 @ 260C 0/480  
IOL + PC Ta=25C, delta Tj=100C max,  
Ton=Toff=2min 15000 cycles 0/240  
HTRB Ta=150C, Vr=4.2V, 1008 hrs 0/240  
H3TRB+PC Ta=85C,RH=85%,P=18.8psig  
Vr=4.2V , 1008 hrs 0/240  
HTSL Ta=150C, 1008 hrs 0/240

**ELECTRICAL CHARACTERISTIC SUMMARY:**

For characterization data, please contact Product Engineer, Shilpa Rao <[Shilpa.Rao@onsemi.com](mailto:Shilpa.Rao@onsemi.com)>or  
Marketer, John Lettieri<[John.Lettieri@onsemi.com](mailto:John.Lettieri@onsemi.com)>

**CHANGED PART IDENTIFICATION:**

Date codes greater than 2207 may be from either ZR fab or ISMF fab.

**AFFECTED DEVICE LIST**

MDC3105LT1  
MDC3105DMT1  
SUY98005LT1  
NDC3105LT1  
MDC3105LT1G  
MDC3105DMT1G  
SUY98005LT1G  
NDC3105LT1G