



UPDATE CHANGE NOTIFICATION

Generic Copy

06-Feb-2007

SUBJECT: ON Semiconductor Update Notification #15719

TITLE: Update to Notification 15571 for ISMF to ZR Wafer Fab Transfer

PROPOSED FIRST SHIP DATE: 06-Feb-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>

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>

NOTIFICATION TYPE:

This Update to Final Product/Process Change Notification (UPCN) includes the following devices:

MDC3105DMT1/G

MDC3105LT1/G

SUY98005LT1/G

NDC3105LT1/G

This UPCN is to notify customers prior to implementation of the change for above listed devices.

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 is an update to FPCN #15571, available at www.onsemi.com to include the listed finished goods. 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 #15719****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 #15719****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>or
Marketer, John Lettieri<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