



UPDATE NOTIFICATION
Generic Copy

06-AUG-2001

SUBJECT: ON Semiconductor Update Notification #11620

TITLE: Update Notification - SOT23 Assembly/Test Transfer

EFFECTIVE DATE: 02-Oct-2001

AFFECTED CHANGE CATEGORY: On Semiconductor Assy Site

AFFECTED PRODUCT DIVISION(S): Analog Products Div and Mos Power Products Div

ADDITIONAL RELIABILITY DATA: Available
Contact your local ON Semiconductor Sales Office or
Mark Wasilewski <m.wasilewski@onsemi.com>

SAMPLES: Contact Below
Contact your local ON Semiconductor Sales Office
or Steve Black <RAWM60@onsemi.com>

FOR ANY QUESTIONS CONCERNING THIS NOTIFICATION:
Contact Sales Office or Mark Wasilewski <m.wasilewski@onsemi.com>

DISCLAIMER:

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:

In the last three years, ON Semiconductor informed customers of its intent to qualify an additional assembly/test site for SOT-23 products. The most recent, PCN# 10216, issued 31-Jul-2000 described a change to qualify ON Semiconductor's manufacturing facility in Leshan China to produce SOT-23 products in addition to ON Semiconductor's manufacturing facilities in Seremban, Malaysia (SBN and ISMF) and a joint venture factory in Malaysia (SMP). Leshan has been producing SOT-23 products since 1998 and is QS9000 certified. Previous PCN's included small signal and other discrete technologies. This addendum completes all remaining technologies that includes TMOS discrete and Analog IC devices.

**Update Notification #11620****RELIABILITY DATA SUMMARY:**

Reliability Reorts available upon request. Test completed were:
Autoclave, 121C, 15PSIG, RH=100%, 192 hours, zero failures
Temp Cycle, -65C to +150C, 1000 cycles, zero failures
Solderability, steam age 8 hrsm zero failures
HTRB, 150C, rated voltage, 1000 hours, zero failures
IOL, 2 min on/off, power, 10,000 cycles, zero failures
H3TRB, 85C, 85%RH, voltage, 1000 hours, zero failures

ELECTRICAL CHARACTERISTIC SUMMARY:

Electrical characterization indicates that parametric distribution remains unchanged with respect to electrical limits.

CHANGED PART IDENTIFICATION:

For site identification purposes, the Date code character will be rotated 90 degrees counter clockwise with respect to the device marking. Devices with date code 0141 or later may be from Leshan.

AFFECTED DEVICE LIST (WITHOUT SPECIALS)**PART**

2N7002LT1
2N7002LT3
BSS123LT1
BSS123LT3
BSS138LT1
BSS138LT3
BSS84LT1
MDC3105LT1
MGSF1N02ELT1
MGSF1N02LT1
MGSF1N02LT3
MGSF1N03LT1
MGSF1N03LT3
MGSF1P02ELT1
MGSF1P02ELT3
MGSF1P02LT1
MGSF1P02LT3
MMBF0201NLT1
MMBF0202PLT1
MMBF170LT1
MMBF170LT3