



FINAL PRODUCT/PROCESS CHANGE NOTIFICATION

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12 Jun 2008

SUBJECT: ON Semiconductor Final Product/Process Change Notification #16124

TITLE: Final Notification of Qualification of Nantong-Fujitsu Microelectronics for Assembly/Test of TO-220AB Bipolar Power Transistors

PROPOSED FIRST SHIP DATE: 06 Sep 2008

AFFECTED CHANGE CATEGORY(S): ON Semiconductor Assembly and Test Site

AFFECTED PRODUCT DIVISION(S): Discrete Products Division

FOR ANY QUESTIONS CONCERNING THIS NOTIFICATION:

Contact your local ON Semiconductor Sales Office or Emmanuelle Todd <emmanuelle.todd@onsemi.com>

SAMPLES: Contact your local ON Semiconductor Sales Office

ADDITIONAL RELIABILITY DATA: Available

Contact 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 an FPCN from IPCN 15671 that announced the planned capacity expansion of ON Semiconductor's assembly and test operations of TO-220AB and I2PAK Discrete packaged products, currently built at the PSI Manila facility, to Nantong-Fujitsu's China facility. Upon the expiration of this FPCN, these non-automotive Bipolar Power TO-220AB devices may be processed at either location.

The Nantong-Fujitsu facility is currently used to manufacture ON Semiconductor's DPAK, TO-220AB and I2PAK devices, and is ISO/TS 16949:2002 certified.

There are minor changes to ON Semiconductor case outline 221A-09, including F dimension (Hole Diameter) change from 3.73mm max to 4.09mm max (in accordance with JEDEC max) and J dimension (Lead Thickness) change from 0.46mm min to 0.36mm min (in accordance with JEDEC min).



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RELIABILITY DATA SUMMARY:

TO-220AB Bipolar Power Test Vehicle: MJE5852G
HTRB 85C, 85%RH, Bias=80% rated V, 1008 hrs 0/240

TO-220AB Bipolar Power Test Vehicle: MJE18008G
TC -65C to +150C, 1000 cycles 0/240
AC/PC 121C, 100% RH, 15 psig, 96 hrs 0/240

ELECTRICAL CHARACTERISTIC SUMMARY:

There are no changes in electrical characteristics and product performance meets data sheet specifications.

CHANGED PART IDENTIFICATION:

Products manufactured at Nantong-Fujitsu will be identified by NF site code marking.

AFFECTED DEVICE LIST

BU406G
BUV26G
BUV27G
MJE5730G
MJE5731AG
MJE5731G
MJE15028G
MJE15029G
MJE15030G
MJE15031G
MJE15032G
MJE15033G
MJE15034G
MJE15035G
MJE5850G
MJE5851G
MJE5852G