



FINAL PRODUCT/PROCESS CHANGE NOTIFICATION

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22 Aug 2007

SUBJECT: ON Semiconductor Final Product/Process Change Notification #16035

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

PROPOSED FIRST SHIP DATE: 22 Nov 2007

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

The Nantong-Fujitsu facility is currently used to manufacture ON Semiconductor's DPAK and Schottky Rectifier TO-220AB 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).



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RELIABILITY DATA SUMMARY:

TO-220AB Bipolar Power Test Vehicle: 2N6488G

HTRB 85C, 85%RH, Bias=80% rated V, 1008 hrs 0/240

H3TRB 85C, 85%RH, Bias=80% rated V, 1008 hrs 0/240

IOL 25C, Delta Tj=100C max, Ton=Toff=2min, 8572 cyc 0/240

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.



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AFFECTED DEVICE LIST

2N6040G
2N6042G
2N6043G
2N6045G
2N6107G
2N6109G
2N6111G
2N6288G
2N6292G
2N6387G
2N6388G
2N6487G
2N6488G
2N6490G
2N6491G
2N6667G
BD241CG
BD242BG
BD242CG
BD243CG
BD244BG
BD244CG
BD809G
BD810G
BDW42G
BDW46G
BDW47G
BDX33BG
BDX33CG
BDX34BG
BDX34CG
BDX53BG
BDX53CG
BDX54BG
BDX54CG
D44C12G
D44H11G
D44H8G
D44VH10G
D45C12G
D45H11G
D45H8G
D45VH10G
MJE2955TG
MJE3055TG
TIP100G
TIP101G
TIP102G
TIP106G
TIP107G
TIP110G
TIP111G
TIP112G
TIP115G



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TIP116G
TIP117G
TIP120G
TIP121G
TIP122G
TIP125G
TIP126G
TIP127G
TIP131G
TIP132G
TIP29AG
TIP29BG
TIP29CG
TIP30CG
TIP31AG
TIP31BG
TIP31CG
TIP31G
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