



FINAL PRODUCT/PROCESS CHANGE NOTIFICATIONGeneric Copy

13 Sep 2007**SUBJECT: ON Semiconductor Final Product/Process Change Notification #16046****TITLE: Final Notification of Qualification of Nantong-Fujitsu Microelectronics for Assembly/Test of TO-220AB Schottky & Ultrafast Rectifiers.****PROPOSED FIRST SHIP DATE: 13 Dec 2007****AFFECTED CHANGE CATEGORY(S): ON Semiconductor Assembly & Test****AFFECTED PRODUCT DIVISION(S): Automotive & Power Regulation Group****FOR ANY QUESTIONS CONCERNING THIS NOTIFICATION:**Contact your local ON Semiconductor Sales Office or Mike Schager <mike.schager@onsemi.com>**SAMPLES:** Contact your local ON Semiconductor Sales Office**ADDITIONAL RELIABILITY DATA:** AvailableContact 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 Schottky and Ultrafast TO-220AB devices may be processed at either location. The Nantong-Fujitsu facility is currently used to manufacture ON'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 - Hole Diameter 3.73 max to 4.09 max (in accordance with JEDEC max)
J - Lead Thickness 0.46 min to 0.36 min (in accordance with JEDEC min)

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TO-220AB Schottky Rectifier Test Vehicle: MBR60H100CTG

HTSL 150C, 504 hrs 0/240

IOL Ta=25C, delta Tj=100C max, Ton=Toff=3.5 min, 4286 c 0/240

TC Ta=-65/+150C, 500 cycles 0/240

AC/PC 121C, 15psig, 100% RH, 96 hrs 0/240

TO-220AB Ultrafast Rectifier Test Vehicle: MUR1660CTG

TC Ta=-65/+150C, 500 cycles 0/240

ELECTRICAL CHARACTERISTIC SUMMARY:

There are no changes in electrical characteristics; product performance meets data sheet specifications. Characterization data is available upon request.

CHANGED PART IDENTIFICATION:

Product from Nantong-Fujitsu will be identified by NF site code marking



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AFFECTED DEVICE LIST:

MBR40250TG
MBR20200CTG
MBR2535CTLG
MBR41H100CTG
MBR60H100CTG
MBR2030CTLG
MBR4015CTLG
MBR40L45CTG
MBR60L45CTG
MUR620CTG
MUR1610CTG
MUR1615CTG
MUR1620CTG
BYV32-200G
BYW51-200G
MURH840CTG
MURH860CTG
MUR1620CTRG
MUR1640CTG
MUR1660CTG
SUR187SG