



FINAL PRODUCT/PROCESS CHANGE NOTIFICATIONGeneric Copy

05 Nov 2007**SUBJECT: ON Semiconductor Final Product/Process Change Notification #16064****TITLE: Final Notification of Qualification of Nantong-Fujitsu Microelectronics for Assembly/Test of I2PAK Schottky Rectifiers.****PROPOSED FIRST SHIP DATE: 05 Feb 2008****AFFECTED CHANGE CATEGORY(S): ON Semiconductor Assembly & Test Site****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 to 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 I2PAK devices may be processed at either location. The Nantong-Fujitsu facility is currently used to manufacture ON's DPAK, I2APK & TO-220AB devices, and is ISO/TS 16949:2002 certified. The processing and construction materials of I2PAK and TO-220AB devices are very similar. I2PAK is qualified by the following results of I2PAK & TO-220AB processed at Nantong-Fujitsu.



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RELIABILITY DATA SUMMARY:

I2PAK Schottky Rectifier Test Vehicle: MBRB41H100CT-1G
Die: DR0714Z

TC Ta=-65/+150C, 500 cycles 0/240
AC/PC 121C, 15psig, 100% RH, 96 hrs 0/240
H3TRB 85C/85%RH, 504 hrs 0/239

TO-220AB Schottky Rectifier Test Vehicle: MBR60H100CTG
Die: DR0714Z

HTSL 150C, 1008 hrs 0/240
IOL Ta=25C, delta Tj=100C max, Ton=Toff=3.5 min, 8572 c 0/240
TC Ta=-65/+150C, 500 cycles 0/240
AC/PC 121C, 15psig, 100% RH, 96 hrs 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

AFFECTED DEVICE LIST:

MBRB41H100CT-1G