



FINAL PRODUCT/PROCESS CHANGE NOTIFICATIONGeneric Copy

11 Jul 2008**SUBJECT: ON Semiconductor Final Product/Process Change Notification #16131****TITLE: Final Notification of Qualification of SP Semiconductor site at Korea for the Assembly and Test of Bipolar Power Transistors in Isolated TO220 package.****PROPOSED FIRST SHIP DATE: 12 Oct 2008****AFFECTED CHANGE CATEGORY(S): ON Semiconductor Assembly & Test Site****AFFECTED PRODUCT DIVISION(S): Standard Components****FOR ANY QUESTIONS CONCERNING THIS NOTIFICATION:**Contact your local ON Semiconductor Sales Office or Jose Ramirez <jose.l.ramirez@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 the FPCN to IPCN16025 that announced the planned capacity expansion of ON Semiconductor assembly and test operations for Bipolar Power Transistors in Isolated TO-220 package, currently build at the PSI Manila facility, to SP Semiconductor's Korea facility. Upon the expiration of this FPCN, these devices may be processed at either location. The SP Semiconductor facility is ISO/TS 16949:2002 certified.

The SP Semiconductor package has 2 ejector pin holes approx 30 mils deep located at the front tab area beneath the mounting hole. The isolation voltage will be tested at 4.6KV 0.3 Sec at the bottom of the package.

**Final Product/Process Change Notification #16131****RELIABILITY DATA SUMMARY:****Reliability Test Results:**

HTSL 150°C 1008 hrs 0/240
HTRB 150°C, Bias = 80% rated BV, 1008 hrs 0/240
IOL Ta=25°C, delta Tj=100° max, Ton=Toff=3.5 min, 8572 cycles 0/240
TC Ta=-65°C to 150°C, 1000 cycles 0/240

ELECTRICAL CHARACTERISTIC SUMMARY:

There is no change in electrical characteristics. Characterization Data is available upon request.

CHANGED PART IDENTIFICATION:

Product from SP Semiconductor will be identified by SP site code marking.

AFFECTED DEVICE LIST:

MJF122G
MJF127G
MJF15030G
MJF15031G
MJF2955G
MJF3055G
MJF31CG
MJF32CG
MJF44H11G
MJF45H11G
MJF6388G
MJF6668G