



INITIAL PRODUCT/PROCESS CHANGE NOTIFICATION
Generic Copy

04-Jul-2007

SUBJECT: ON Semiconductor Initial Product/Process Change Notification #16025

TITLE: Qualification of SP Semiconductor site at Korea for the Assembly and Test of Bipolar Power Transistors in TO-220 Full Pak package.

PROPOSED FIRST SHIP DATE: 04-Nov-2007

AFFECTED CHANGE CATEGORY: New Assembly and Test site

AFFECTED PRODUCT DIVISION: Standard Components

FOR ANY QUESTIONS CONCERNING THIS NOTIFICATION:

Contact you local ON Semiconductor Sales Office or Jose Ramirez <jose.l.ramirez@onsemi.com>

NOTIFICATION TYPE:

Initial Product/Process Change Notification (IPCN)

First change notifications sent to customers. IPCNs are issued at least 120 days prior to implementation of the change. An IPCN is advance notification about an upcoming change and contains general information regarding the change details and devices affected. It also contains the preliminary reliability qualification plan.

The completed qualification and characterization data will be included in the Final Product/Process Change Notification (FPCN).

This IPCN notification will be followed by a Final Product/Process Change Notification (FPCN) at least 90 days prior to implementation of the change.

DESCRIPTION AND PURPOSE:

As part of our planned capacity expansion, ON Semiconductor is qualifying SP Semiconductor at Bucheon, Korea to Assembly and Test our TO220FP (Case 221D-03) Bipolar Power Transistors. The SP Semi facility is ISO/TS 16949:2002 certified. Product from SP Semiconductor will be identified by R7 site code marking. There will be some specification changes to ON Semi case outline 221D that will be detailed in the FPCN. The isolation voltage will be tested to 4.6KV AC 0.3Sec.

**Initial Product/Process Change Notification #16025****QUALIFICATION PLAN:**

Qual Vehicle: MJF18008G

HTSL 150°C, 1008 hrs

HTRB 150°C, Bias=80% rated Vr, 1008 hrs

IOL Ta=25°C, delta Tj=100°C max, Ton=Toff=3.5 min, 8572 cycles

TC Ta=-65°C/+150°C, 1000 cycles

AFFECTED DEVICE LIST:**PART**

BUL146FG

MJF122G

MJF127G

MJF15030F

MJF15031F

MJF18004G

MJF18008G

MJF2955G

MJF3055G

MJF31CG

MJF32CG

MJF44H11G

MJF45H11G

MJF47G

MJF6388G

MJF6668G