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**FINAL PRODUCT/PROCESS CHANGE NOTIFICATION**

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**03 Oct 2007**

**SUBJECT: ON Semiconductor Final Product/Process Change Notification # 16048**

**TITLE: Final Notification for High Frequency, High Voltage NPN Transistors Transfer from Panjit Fab to ISMF Fab.**

**PROPOSED FIRST SHIP DATE: 03 Jan 2008**

**AFFECTED CHANGE CATEGORY: ON Semiconductor Fab Site, Subcontractor Fab Site**

**AFFECTED PRODUCT DIVISION: Discrete Products**

**FOR ANY QUESTIONS CONCERNING THIS NOTIFICATION:**

Contact your local ON Semiconductor Sales Office or Terry Galloway <[terry.galloway@onsemi.com](mailto:terry.galloway@onsemi.com)>

**SAMPLES:**

Contact your local ON Semiconductor Sales Office or Terry Galloway <[terry.galloway@onsemi.com](mailto:terry.galloway@onsemi.com)>

**ADDITIONAL RELIABILITY DATA:**

Contact your local ON Semiconductor Sales Office or Laura Rivers <[laura.rivers@onsemi.com](mailto: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:**

In order to continue to support our customer's requirements for High Frequency NPN Transistors, the fabrication of these devices is being transferred from ON Semiconductor's current subcontractor wafer fab, Panjit in Phoenix Arizona, to ON Semiconductor's internal fab, ISMF in Seremban Malaysia.

**Final Product/Process Change Notification # 16048****QUALIFICATION PLAN:**

Qual Vehicle : MMBTH10LT1

**RELIABILITY DATA SUMMARY:**

MSL Preconditioning	JEDEC MSL 1 @ 260C	0/1232
HTRB	Ta=150C, 1008 hrs , 80% bias	0/308
IOL +PC	Ta=25C, delta Tj = 100C max Ton=Toff= 2min	0/308
Temp Cycle + PC	Ta= -65/150C 1000 cycles	0/308
Autoclave + PC	Ta=121C, RH=100%, psig~14.7	0/308
H3TRB + PC	Ta= 85C, RH=85%, 80% bias	0/308

**ELECTRICAL CHARACTERISTIC SUMMARY:**

Available upon request

**CHANGED PART IDENTIFICATION:**

Parts with date code greater than 5207 or "C" will have die from ISMF



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**AFFECTED DEVICE LIST:**

**PART**

MMBT918LT1  
MMBT918LT1G  
MMBTH10LT1  
MMBTH10LT1G  
MMBTH10LT3G  
MPSH10  
MPSH10G  
MPSH10RLRA  
MPSH10RLRAG  
MPSH10RLRP  
MPSH10RLRPG  
SMBT1215LT1  
MMBTH10-4LT1G  
SMBT1530LT1  
SMCS2897WP  
SMMBTH10-4LT1  
SMMBTH10-4LT1G  
NSVF2250WT1  
NSVF2250WT1G  
SMBT1237LT1  
SMBT1237LT1G