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**INITIAL PRODUCT/PROCESS CHANGE NOTIFICATION**  
Generic Copy

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**19-Sep-2006**

**SUBJECT: ON Semiconductor Initial Product/Process Change Notification #15640**

**TITLE: Dual Source ISMF Wafer Fab Qualification for Zener/TVS Single / Dual Products**

**PROPOSED FIRST SHIP DATE: 19-Jan-2007**

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

**AFFECTED PRODUCT DIVISION: Discrete Products Division**

**FOR ANY QUESTIONS CONCERNING THIS NOTIFICATION:**

Contact your local ON Semiconductor Sales Office or Ed Reak<[ed.reak@onsemi.com](mailto:ed.reak@onsemi.com)>

**NOTIFICATION TYPE:**

Initial Product/Process Change Notification (IPCN)

First change notification 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 60 days prior to implementation of the change.

**DESCRIPTION AND PURPOSE:**

This is the Initial notification announcing that ON Semiconductor is adding wafer fabrication capacity for the Zener/TVS products listed herein at the ISMF wafer fab in Seremban, Malaysia. The ISMF facility is an ON Semiconductor owned wafer fab that has been producing products for ON Semiconductor since 1998. Several existing technologies within ON Semiconductor's product families are currently sourced from ISMF, including Zener Diodes, Small Signal, and USB array filter products. The "P-type" zener technology used for the products listed herein was initially qualified in ISMF in 2003. (FPCN# 12790).

**Initial Product/Process Change Notification #15640****QUALIFICATION PLAN:**

The "P-type" Zener Diode technology was previously qualified in ISMF per FPCN# 12790, issued 24-June-2003. This IPCN is simply extending that qualification to additional devices in the same technology family.

**AFFECTED DEVICE LIST:****PART**

SM05T1G  
SM05T1  
SD12T1  
SD12T1G  
SD05T1  
SD05T1G  
UESD3.3DT5G  
NZL6V2AXV3T1  
UESD5.0DT5G  
NZL6V8AXV3T1  
NZL6V8AXV3T1G  
UESD6.0DT5G  
NZL7V5AXV3T1  
NZL7V5AXV3T1G  
UESD12ST5G  
ESD9X12ST5G  
UESD3.3ST5G  
ESD9X3.3ST5G  
UESD5.0ST5G  
ESD9X5.0ST5G