



INITIAL PRODUCT/PROCESS CHANGE NOTIFICATION
Generic Copy

29-JUN-2004

SUBJECT: ON Semiconductor Initial Product/Process Change Notification #13513

TITLE: Initial PCN for Qualification of VHVIC Sot-223 Products at ON Semiconductor, Seremban, Malaysia

EFFECTIVE DATE: 29-OCT-2004

AFFECTED CHANGE CATEGORY:
ON Semiconductor Assembly Site

AFFECTED PRODUCT DIVISION: Analog Products Div

ADDITIONAL RELIABILITY DATA: None

SAMPLES: No

FOR ANY QUESTIONS CONCERNING THIS NOTIFICATION:
Contact Sales Office or HECTOR CORLETO, R42198@onsemi.com >

DISCLAIMER:
Initial Product/Process Change Notification (IPCEN) –

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 Product Change Notification announcing ON Semiconductor's internal assembly site in Seremban, Malaysia, is being qualified to assemble ON Semiconductor's VHVIC SOT-223 products for increased capacity. These products are currently assembled at PSI Technologies in Manila, Philippines. Parts may be assembled at either of these sites after the effectivity date of the Final PCN, which will be issued upon completion of reliability testing.

Devices will continue to meet all Data Book Specifications, and reliability will continue to meet or exceed ON Semiconductor standards.

**Initial Product/Process Change Notification #13513****QUALIFICATION PLAN:**

Test	Conditions	Duration	Sample Size
HTB	150C	1008 hrs	3x80
HTBB	125C, 600V	1008 hrs	3x80
PC	MSL1, 235C	(for HAST,UHAST,TC)	
PC-HAST	130C, 85%RH	96hrs	3x80
PC-UHAST	130C, 85%RH	96hrs	3x80
PC-TC	-65C to 150C	500cyc	3x80
Bond Pull Strength			3x5
Bond Shear			3x5
Die Shear Strength			3x5
X-ray			3x10



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AFFECTED DEVICE LIST (WITHOUT SPECIALS):

PART

- NCP1010ST100T3
- NCP1010ST130T3
- NCP1010ST65T3
- NCP1011ST100T3
- NCP1011ST130T3
- NCP1011ST65T3
- NCP1012ST100T3
- NCP1012ST130T3
- NCP1012ST65T3
- NCP1012XST100T3
- NCP1013ST100T3
- NCP1013ST130T3
- NCP1013ST65T3
- NCP1014ST100T3
- NCP1014ST65T3
- NCP1050ST100T3
- NCP1050ST136T3
- NCP1050ST44T3
- NCP1051ST100T3
- NCP1051ST136T3
- NCP1051ST44T3
- NCP1052ST100T3
- NCP1052ST136T3
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- NCP1055ST44T3
- PCP1052ST44T3