



FINAL PRODUCT/PROCESS CHANGE NOTIFICATIONGeneric Copy

28-Jul-2008**SUBJECT: ON Semiconductor Final Product/Process Change Notification #16132****TITLE: Final Notification for Changes in Device Specifications****PROPOSED FIRST SHIP DATE: 28-Oct-2008****AFFECTED CHANGE CATEGORY(S): High Frequency Products****AFFECTED PRODUCT DIVISION(S): Analog Standard Components****FOR ANY QUESTIONS CONCERNING THIS NOTIFICATION:**Contact your local ON Semiconductor Sales Office or Clarence Rebello <C.Rebello@onsemi.com>**SAMPLES:** Contact your local ON Semiconductor Sales Office**ADDITIONAL RELIABILITY DATA:** AvailableContact your local ON Semiconductor Sales Office or Matt Kas <Matt.Kas@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:

ON Semi is revising the MC10EP16VA and MC100EP16VA, MC100EP16VB and MC100EP16VC Product Family specifications after re-characterization based on improved Test Equipment and Measurements. There is no change to the Wafer and / or the Assembly Process. The effective date of this change will be 90 days from the issuance of this PCN for the devices listed. Reliability will continue to meet or exceed ON Semiconductor standards. ON Semiconductor recommends that customers evaluate units in each associated application to ensure there are no unexpected electrical incompatibilities exist.

Specification Changes are as Follows:

MC10EP16VA:

Change IEE Upper Limit at -40C to 36 (was 31) mA at -40C.

MC100EP16VA:

Change IEE Limits at -40C to 22 to 38 (was 20 to 36) mA; at 25C to 24 to 40 (was 22 to 38) mA; at +85C to 26 to 42 (was 24 to 40) mA.

Change VOL NECL Limits at All Temperatures to -1995 to -1745 (was -1945 to -1695) mV.

**Final Product/Process Change Notification #16132****MC100EP16VB:**

Change IEE Limits at -40C to 27 to 47 (was 25 to 45) mA.

Change VOH NECL Limits at All Temperatures to -1145 to -895 (was -1175 to -925) mV.

Change VBB NECL Limits at All Temperatures to -1525 to -1325 (was -1570 to -1340) mV.

MC100EP16VC:

Change IEE Limits at -40C to 27 to 47 (was 25 to 45) mA; at 25C to 32 to 52 (was 30 to 50) mA; at +85C to 34 to 54 (was 32 to 52) mA..

Change VOH NECL Limits at All Temperatures to -1145 to -895 (was -1175 to -925) mV.

Change VBB NECL Limits at All Temperatures to -1525 to -1325 (was -1570 to -1340) mV.

RELIABILITY DATA SUMMARY:

Reliability Test Results: Not Applicable since this is a Specification Change.

ELECTRICAL CHARACTERISTIC SUMMARY: Available upon Request In the course of reviewing the electrical data, it has been determined that all Device parameters will meet all Data Book specifications.

CHANGED PART IDENTIFICATION:

Changes do not affect Date Code.

**Final Product/Process Change Notification #16132****AFFECTED DEVICE LIST**

MC10EP16VAD
MC10EP16VADG
MC10EP16VADR2
MC10EP16VADR2G
MC10EP16VADT
MC10EP16VADTG
MC10EP16VADTR2
MC10EP16VADTR2G
MC10EP16VAMNR4G
MCW100EP16VA
MC100EP16VAD
MC100EP16VADG
MC100EP16VADR2
MC100EP16VADR2G
MC100EP16VADT
MC100EP16VADTG
MC100EP16VADTR2
MC100EP16VADTR2G
MC100EP16VAMNR4G
MC100EP16VBD
MC100EP16VBDG
MC100EP16VBDR2
MC100EP16VBDR2G
MC100EP16VBDT
MC100EP16VBDTG
MC100EP16VBDTR2
MC100EP16VBDTR2G
MC100EP16VCD
MC100EP16VCDG
MC100EP16VCDR2
MC100EP16VCDR2G
MC100EP16VCDT
MC100EP16VCDTG
MC100EP16VCDTR2
MC100EP16VCDTR2G
MC100EP16VCMNR4G