



PRODUCT BULLETIN
Generic Copy

09-Aug-2006

SUBJECT: ON Semiconductor Product Bulletin #15623

TITLE: Typographical Correction Addendum to FPCN #13518

EFFECTIVE DATE: 09-Aug-2006

AFFECTED PRODUCT DIVISION(S): Analog High Frequency Products

FOR ANY QUESTIONS CONCERNING THIS NOTIFICATION:

Contact your local ON Semiconductor sales office or Gregg Hooker <FFMGNR@onsemi.com>

NOTIFICATION TYPE:

ON Semiconductor considers this change approved unless specific conditions of acceptance are provided in writing. To do so, contact your local ON Semiconductor sales office.

DESCRIPTION AND PURPOSE

ON Semiconductor is updating the MC10/100(E101, E131, and E154) devices in the "Additional Information" section to reflect the -40C temperature range for FPCN 13518.

ADDITIONAL INFORMATION – Correct typographical information.

EXISTING SECTION

10E101 & 100E101: (Data to Q tpd)
Propagation delay min/max limits across temp.
D to Q old limits: 0C to 85C = 200 to 500 Ps.
D to Q new limits: 0C to 85C = 300 to 600 Ps.
Trise and Tfall old limits: 0C to 85C = 300 to 575 Ps.
Trise and Tfall new limits: 0C to 85C = 275 to 575 Ps.

REVISED

10E101 & 100E101: (Data to Q tpd)
Propagation delay min/max limits across temp.
D to Q old limits: **-40C** to 85C = 200 to 500 Ps.
D to Q new limits: **-40C** to 85C = 300 to 600 Ps.
Trise and Tfall old limits: **-40C** to 85C = 300 to 575 Ps.
Trise and Tfall new limits: **-40C** to 85C = 275 to 575 Ps.

EXISTING SECTION

10E131 & 100E131: (Reset to Q only)
Propagation delay min/max limits across temp.
Old limits: 0C = 300 to 775, 25C = 350 to 725, 85C = 350 to 725 Ps.
New limits: 0C = 400 to 875, 25C = 450 to 825, and 85C = 450 to 825 Ps.

REVISED

10E131 & 100E131: (Reset to Q only)
Propagation delay min/max limits across temp.
Old limits: **-40C** = 300 to 775, 25C = 350 to 725, 85C = 350 to 725 Ps.
New limits: **-40C** = 400 to 875, 25C = 450 to 825, and 85C = 450 to 825 Ps.

**Product Bulletin #15623****EXISTING SECTION**

10E154: (D and LEN to Q TPD limits only)
Propagation delay min/max limits across temp.
D input old limits: 0C to 85C = 325 to 700 Ps.
LEN old limits: 0C to 85C = 350 to 750 Ps.
New limits for both: 0C to 85C = 450 to 800 Ps.

REVISED

10E154: (D and LEN to Q TPD limits only)
Propagation delay min/max limits across temp.
D input old limits: **-40C** to 85C = 325 to 700 Ps.
LEN old limits: **-40C** to 85C = 350 to 750 Ps.
New limits for both: **-40C** to 85C = 450 to 800 Ps.

AFFECTED DEVICE LIST:

MC100E101FN
MC100E101FNR2
MC100E101FNG
MC100E101FNR2G
MC10E101FN
MC10E101FNR2
MC10E101FNG
MC10E101FNR2G
MCW100E101
MC100E131FN
MC100E131FNR2
MC100E131FNG
MC100E131FNR2G
MC10E131FN
MC10E131FNR2
MC10E131FNG
MC10E131FNR2G
MCW100E131
MC10E154FN
MC10E154FNR2
MC10E154FNG
MC10E154FNR2G