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**PRODUCT BULLETIN**  
Generic Copy

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**Issue Date**  
31-July-2006

**SUBJECT: ON Semiconductor Product Bulletin #15620**

**TITLE: IEE Update for the MC100EP140 Device**

**EFFECTIVE DATE: 31-July-2006**

**AFFECTED PRODUCT DIVISION: Analog Power Management**

**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 correcting typographical errors in its Datasheet for the IEE Specification for the MC100EP140 device.

- 1.) The MC100EP140 NECL and PECL datasheet DC IEE limits are defined

**Existing IEE Power Supply Current**

|          | -40 deg C |     |     | 25 deg C |     |     | 85 deg C |     |     |
|----------|-----------|-----|-----|----------|-----|-----|----------|-----|-----|
| Symbol   | min       | typ | max | min      | typ | max | min      | typ | max |
| IEE (mA) | 55        | 70  | 85  | 60       | 74  | 90  | 63       | 78  | 93  |

**Corrected IEE Power Supply Current**

|          | -40 deg C |           |     | 25 deg C  |           |     | 85 deg C  |           |     |
|----------|-----------|-----------|-----|-----------|-----------|-----|-----------|-----------|-----|
| Symbol   | min       | typ       | max | min       | typ       | max | min       | typ       | max |
| IEE (mA) | <b>45</b> | <b>65</b> | 85  | <b>50</b> | <b>70</b> | 90  | <b>53</b> | <b>73</b> | 93  |

**AFFECTED DEVICE LIST (WITHOUT SPECIALS):**

**PART**

MC100EP140D  
MC100EP140DR2  
MC100EP140DG  
MC100EP140DR2G  
MCW100EP140