



# PRODUCT INFORMATION LETTER

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PIL IPG-IPC/14/8354  
Dated 21 Feb 2014

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**HVLED815PF : electrical parameter spec. optimization**

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|--|---|
| Sales Type/product family label  | HVLED815PF and HVLED815PFTR   |
| Type of change   | Product electrical spec. change   |
| Reason for change  | Yield improvement and IC performance enhancement  |
| Description  | We have optimized the distribution of the current reference voltage at ambient temperature within tighter limits. |
| Forecasted date of implementation  | 15-Mar-2014   |
| Forecasted date of samples for customer  | 22-Mar-2014   |
| Forecasted date for <b>STMicroelectronics</b> change Qualification Plan results availability | 31-Mar-2014   |
| Involved ST facilities   | Outsourcing at UTAC, Thailand   |

## DOCUMENT APPROVAL

| Name                | Function          |
|---------------------|-------------------|
| Vavassori, Emanuele | Marketing Manager |
| Vavassori, Emanuele | Product Manager   |
| Moretti, Paolo      | Q.A. Manager      |



**WHAT**

We have optimized the distribution of the current reference voltage at ambient temperature within tighter limits, as reported in the datasheet

from the current values :

|            |                           |  |       |     |       |   |
|------------|---------------------------|--|-------|-----|-------|---|
| $V_{CLED}$ | Current reference voltage |  | 0.192 | 0.2 | 0.208 | V |
|------------|---------------------------|--|-------|-----|-------|---|

to the new values :

|            |                           |  |        |     |        |    |
|------------|---------------------------|--|--------|-----|--------|----|
| $V_{CLED}$ | Current reference voltage | <sup>(6)</sup> $V_{ILED} = 0.41\text{ V}, V_{DMG} = 0\text{ V};$<br>$T_J = 25\text{ }^\circ\text{C}$ | 207.76 | 212 | 216.24 | mV |
|------------|---------------------------|--|--------|-----|--------|----|

6. Production tested only.

**WHY:**

In order to improve the yield and to enhance the IC performance.

**HOW:**

Through a new test methodology.

**WHEN:**

The change will be implemented by middle of March.

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