

NOA1212

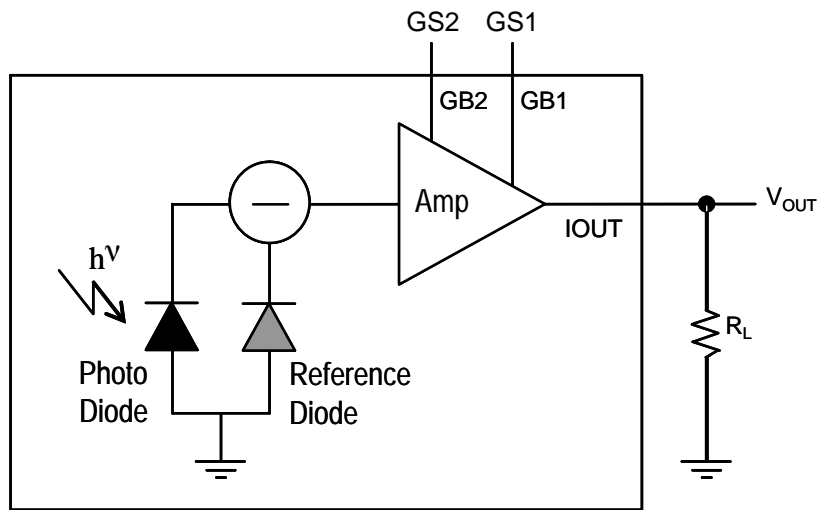


Figure 2. Simplified Block Diagram

Table 1. PIN FUNCTION DESCRIPTION

Table 3. ELECTRICAL CHARACTERISTICS

(Unless otherwise specified, these specifications apply over VDD = 5.5 V, -40°

NOA1212

TYPICAL CHARACTERISTICS

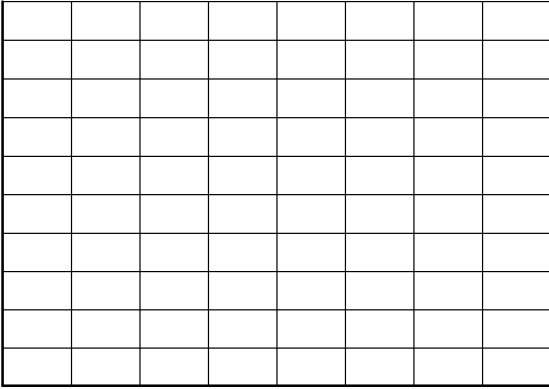


Figure 3. Spectral Response (Normalized)

Figure 4. Light Source Dependency
(Normalized to Fluorescent Light)

Figure 5. Output Current vs. Ev

Figure 6. Output Current vs. Ev
(High Gain Mode)

TYPICAL CHARACTERISTICS

Figure 9. Output Current vs. Angle (End View, Normalized)

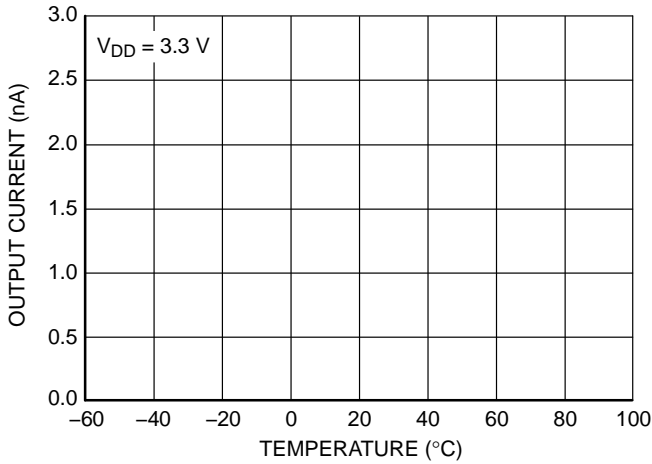


Figure 11. Output Current at 0 lux vs. Temperature (High Gain Mode)

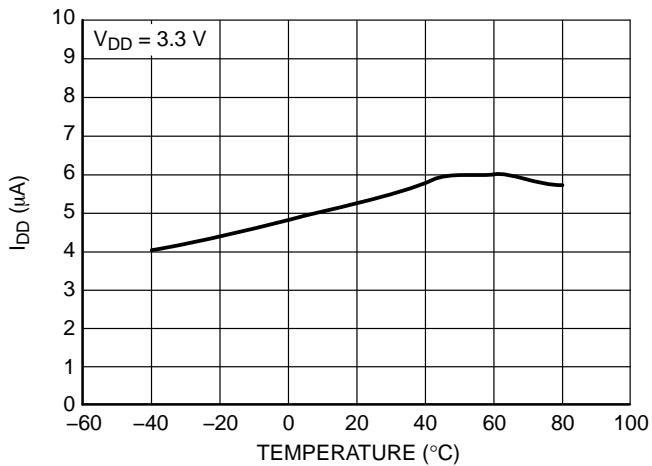


Figure 10. Output Current vs. Angle (Side View, Normalized)

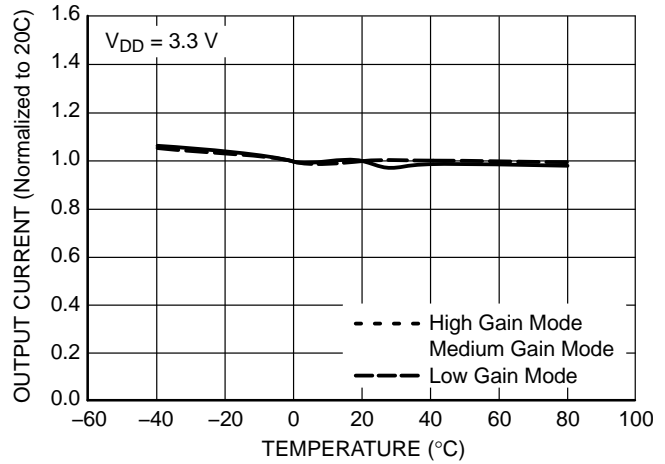


Figure 12. Output Current at 100 lux vs. Temperature

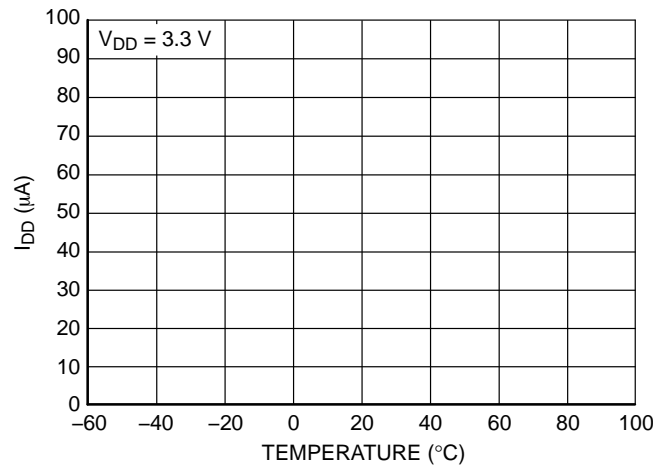


Figure 13. Supply Current at 0 lux vs. Temperature (High Gain Mode)



Figure 14. Supply Current at 100 lux vs. Temperature (High Gain Mode)



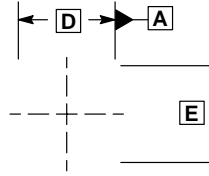


NOA1212

CUDFN6 1.6x1.6, 0.5P
CASE 505AL
ISSUE A

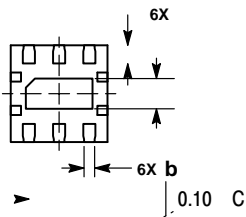
SCALE 2:1

DATE 09 FEB 2017

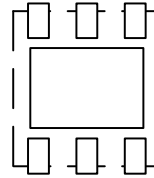


NOTES:

1. DIMENSIONING AND TOLERANCING PER ASME Y14.5M, 1994.
2. CONTROLLING DIMENSION: MILLIMETERS.
3. DIMENSION *b* APPLIES TO PLATED TERMINAL AND IS MEASURED BETWEEN 0.10 AND 0.20MM FROM THE TERMINAL TIP.
4. COPLANARITY APPLIES TO THE EXPOSED PAD AS WELL AS THE TERMINALS.



NOTE 3



onsemi, **onsemi**, and other names, marks, and brands are registered and/or common law trademarks of Semiconductor Components Industries, LLC dba "**onsemi**" or its affiliates and/or subsidiaries in the United States and/or other countries. **onsemi** owns the rights to a number of patents, trademarks, copyrights, trade secrets, and other intellectual property. A listing of **onsemi**'s product/patent coverage may be accessed at www.onsemi.com/site/pdf/Patent-Marking.pdf. **onsemi** reserves the right to make changes at any time to any products or information herein, without notice. The information herein is provided "as-is" and **onsemi** makes no warranty, representation or guarantee regarding the accuracy of the information, product features, availability, functionality, or suitability of its products for any particular purpose, nor does **onsemi** assume any liability arising out of the application or use of any product or circuit, and specifically disclaims any and all liability, including without limitation special, consequential or incidental damages. Buyer is responsible for its products and applications using **onsemi**
