

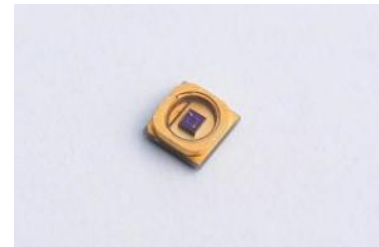


# SiC-based UV photodiode

Model: SS-ABC-3535LQC

## General Features:

- UVA+UVB+UVC
- P a c a
- SMD 3535 c a c ac a a
- G a b
- H a a c

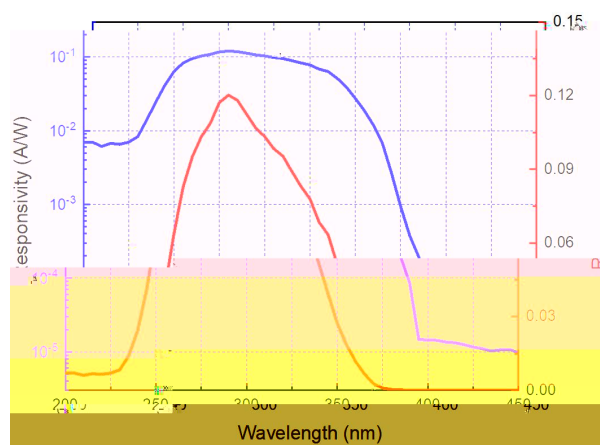


Applications: a ca , a a a

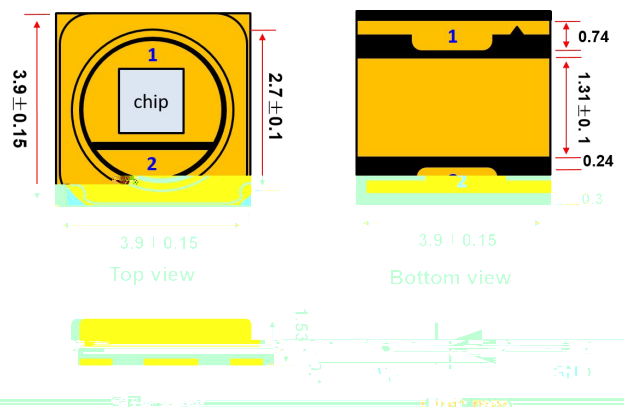
## Specifications:

| Parameters                                       | Symbol         | Value            | Unit         |
|--|----------------|------------------|--------------|
| <b>Maximum ratings</b>                           |                |                  |              |
| O a a a  | T              | -25-100          | C            |
| S a a a  | T              | -40-110          | C            |
| S a (3 )   | T              | 260              | C            |
| R a  | V - a          | -20              | V            |
| <b>General characteristics (25 °C)</b>           |                |                  |              |
| C  | A              | 1                | <sup>2</sup> |
| Da c (V = -5 V)                                  | I              | <10              | A            |
| T a c c (@265 )                                  | T <sub>c</sub> | 0.065            | %/ C         |
| Ca ac a c (a 0 V a 1 MH )                        | C              | 97               | F            |
| <b>Spectral response characteristics (25 °C)</b> |                |                  |              |
| Wa a   |                | 280              |              |
| P a (a 280 )                                     | R <sub>a</sub> | 0.12             | A/W          |
| S c a a (R=0.1 R <sub>a</sub> )                  | -              | 230-360          |              |
| UV- b c a (R <sub>a</sub> /R <sub>400</sub> )    | -              | >10 <sup>4</sup> | -            |

## Spectral response



## Package dimensions

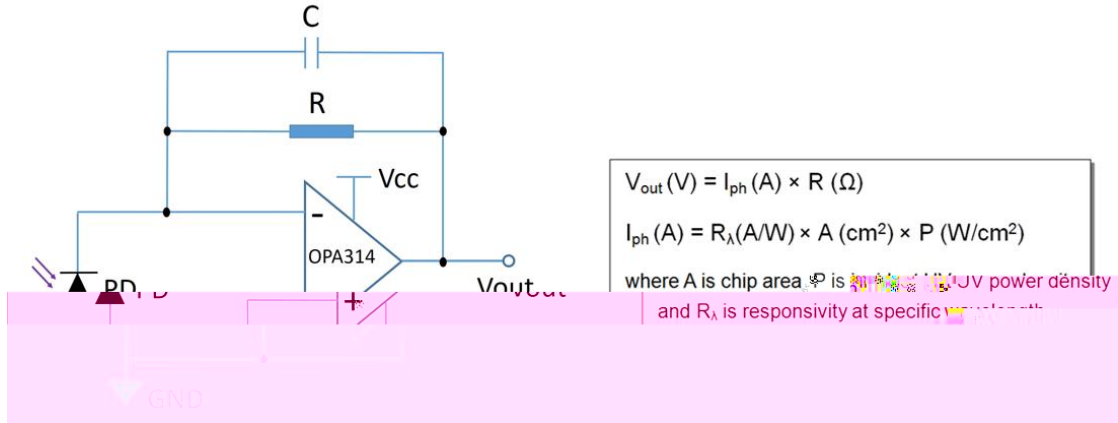




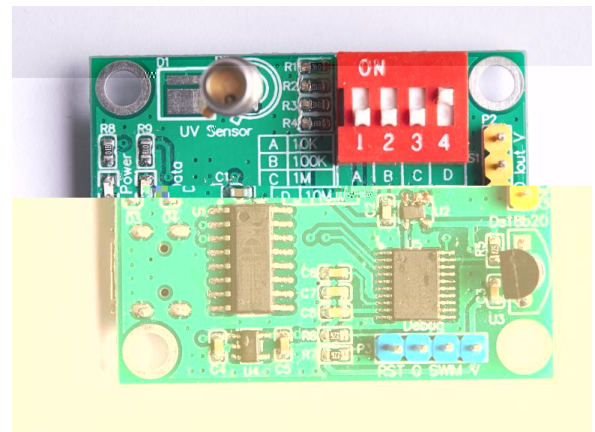
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## Application circuit:



## Evaluation circuit board:



A a c a a b a  
 a a ca b a a ca  
 a a b a a c a  
 b SMD- a TO- ac a UV  
 b GaN O . U c  
 UV  
 a a , b  
 b a a .  
 T a a b a a a a c a a c .  
 D a ca a a c a c a a c a , c  
 a b a c a .  
 T UV a a b a a b a a a ac . A a  
 ac a a a a c UV a , a ac  
 a c ca PC c a . A bac c -USB  
 a ac PC USB cab c c . U c a c ca  
 a PC c c a a a a b a .  
 F a a b a , a // . a - .c , a ca  
 b a , a a a a ab GaN O UV ca  
 b .  
 N :T b a a .  
 M G N I C