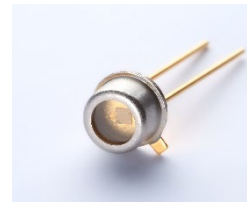


# UVA Sensor: G365T01M

## Features

Gallium nitride based material  
 Broad band UVA+UVB+UVC photodiode  
 Photovoltaic mode operation  
 TO-46 metal housing  
 Good visible blindness  
 High responsivity and low dark current



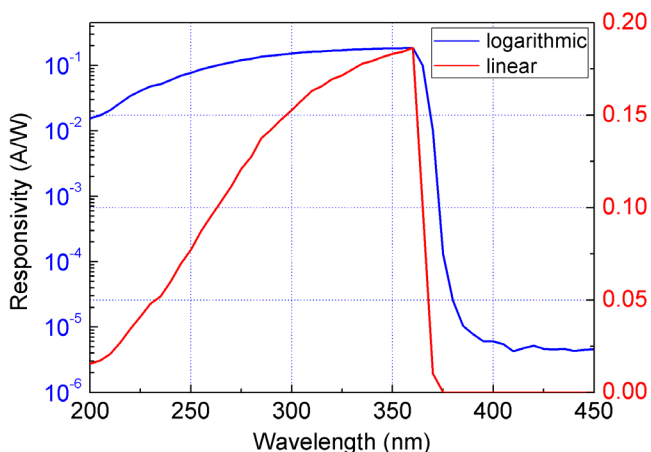
## Applications

UV LED monitoring  
 UV radiation dose measurement  
 UV Curing

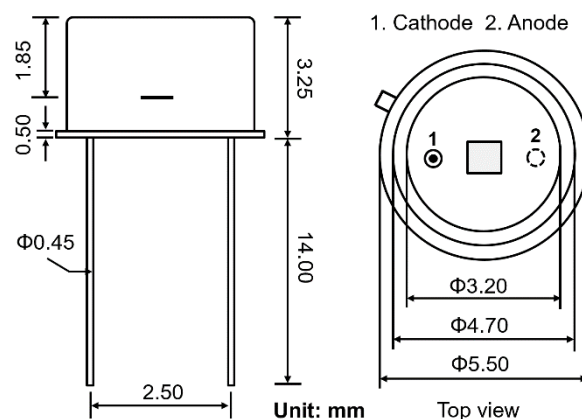
## Specifications

| Parameter                                                  | Symbol          | Value   | Unit            |
|------------------------------------------------------------|-----------------|---------|-----------------|
| <b>Spectral characteristics (25 °C)</b>                    |                 |         |                 |
| Wavelength of peak responsivity                            | $\lambda_{max}$ | 355     | nm              |
| Peak responsivity (at 355 nm)                              | $R_{max}$       | 0.18    | A/W             |
| Spectral response range                                    | -               | 200~370 | nm              |
| UV/visible rejection ratio ( $R_{max}/R_{400\text{ nm}}$ ) | VB              | $>10^3$ | -               |
| <b>General characteristics (25 °C)</b>                     |                 |         |                 |
| Chip size                                                  | A               | 0.2     | mm <sup>2</sup> |
| Dark current (1 V reverse bias)                            | $I_d$           | <10     | pA              |
| Capacitance (at 0 V and 1 MHz)                             | C               | 12      | pF              |
| Temperature coefficient                                    | $T_c$           | -0.1    | %/°C            |
| <b>Maximum ratings</b>                                     |                 |         |                 |
| Operation temperature range                                | $T_{opt}$       | -40~85  | °C              |
| Storage temperature range                                  | $T_{stor}$      | -40~85  | °C              |
| Soldering temperature (3 s)                                | $T_{sold}$      | 260     | °C              |
| Reverse voltage                                            | $V_{Rmax}$      | 5       | V               |

## Spectral response



## Package dimensions



**\*Caution:** ESD can damage the device hence please avoid ESD.