

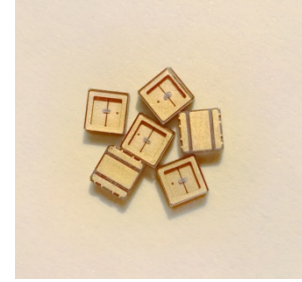


# AlGaIn-based UV photodiode

Model: GS-UVC-3535SQ

## General Features:

- UVC photodiode
- Photovoltaic mode operation
- SMD 3535 ceramic package with quartz window
- Good solar blindness
- High responsivity and low dark current

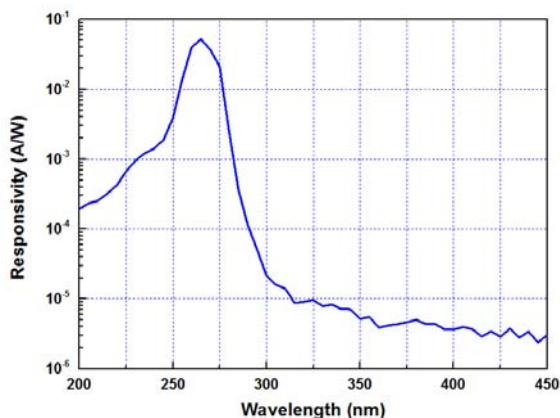


**Applications:** flame detection, sterilization lamp monitoring

## Specifications:

Parameters	Symbol	Value	Unit
<b>Maximum ratings</b>			
Operation temperature range	$T_{opt}$	-30-85	$^{\circ}C$
Storage temperature range	$T_{sto}$	-40-85	$^{\circ}C$
Soldering temperature (3 s)	$T_{sol}$	260	$^{\circ}C$
Reverse voltage	$V_{r-max}$	-5	V
<b>General characteristics (25 <math>^{\circ}C</math>)</b>			
Chip size	A	0.09	$mm^2$
Dark current ( $V_r = -1$ V)	$I_d$	<1	nA
Temperature coefficient	$T_c$	-0.05	%/ $^{\circ}C$
Capacitance (at 0 V and 1 MHz)	$C_p$	1.5	pF
<b>Spectral response characteristics (25 <math>^{\circ}C</math>)</b>			
Wavelength of peak responsivity	$\lambda_p$	265	nm
Peak responsivity (at 265 nm)	$R_{max}$	0.052	A/W
Spectral response range ( $R=0.1 \times R_{max}$ )	-	250-280	nm
solar blindness ( $R_{max}/R_{290\text{ nm}}$ )	-	$>10^3$	-

## Spectral response



## Package dimensions

