

# UV-A Sensor

## GUVA-T11LD



**Features**

- Gallium Nitride Based Material
- Schottky-type Photodiode
- Photovoltaic Mode Operation
- Good Visible Blindness
- High Responsivity & Low Dark Current



**Applications**

- Full UV Band Monitoring
- Pure UV-A Monitoring
- Sterilization Lamp Monitoring

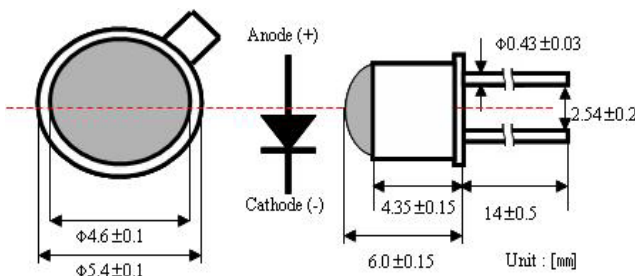
### Absolute Maximum Ratings

Parameter	Symbol	Min.	Max.	Unit	Remark
Storage Temperature	$T_{st}$	-40	90		
Operating Temperature	$T_{op}$	-30	85		
Reverse Voltage	$V_{r, max.}$		5	V	
Forward Current	$I_{f, max.}$		1	mA	
Soldering Temperature	$T_{sol}$		260		within 10 sec.

### Characteristics (at 25 °C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Conditions
Dark Current	$I_d$			1	nA	$V_r = 0.1$ V
Photo Current	$I_{ph}$		154		nA	UVA Lamp, $1mW/cm^2$
Temperature Coefficient	$I_{tc}$		0.05		%/°C	UVA Lamp
Responsivity	R		6.8		A/W	$\lambda = 350$ nm, $V_r = 0$ V
Spectral Detection Range	$\lambda$	260		370	nm	
Breakdown Voltage	$V_{BR}$		10			$I_r = 1$ $\mu$ A

### Outline Diagrams and Dimensions



### Responsivity Curve

