

UV Sensor Probe

GUVA-T11GC-5LW9



Features

- Single Supply Voltage, Analog Voltage Output
- Water Environment

Applications

UV Curing Lamp Monitoring

UV-A Lamp Monitoring



Case dimensions

Thread/Length for Mounting	PT3/4" / 11 mm
Diameter (mm)	23
Window (mm)	12
Wrench Size (mm)	30
Depth (mm)	11.5
Length (mm)	41.5
Case Material	STS 316-L

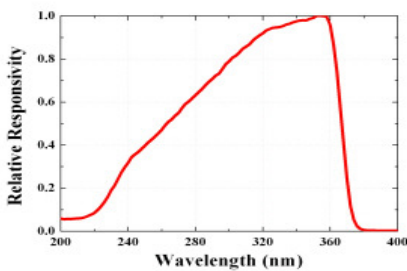
Absolute Maximum Ratings

Parameter	Symbol	Value			Unit	Remark
		Min.	Typ.	Max.		
Storage Temperature	T _{st}	-40		90	°C	
Operating Temperature	T _{op}	-30		85	°C	

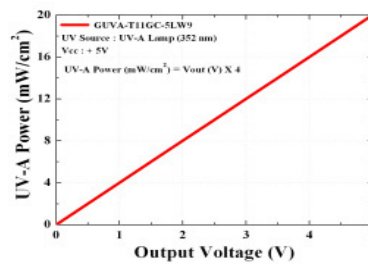
Electro-Optical Characteristics (at 25 °C)

Parameter	Symbol	Value			Unit	Remark
		Min.	Typ.	Max.		
Supply Voltage	V _{cc}		5		V	DC
Supply Current	I _Q		0.05		mA	
Spectral Detection Range	λ	220		370	nm	10% of Max.
Output Voltage	V _{out}	0		5	V	
Detection Power Range	P	0		20	mW/cm ²	
Response Time	T		5		ms	

Relative Responsivity



Output Voltage along UV power



$$\begin{aligned} \text{UVA Power (mW/cm}^2\text{)} \\ &= \\ &= \text{Vout (V)} \times 4 \end{aligned}$$

* Cover thread with teflon tape or ceramo paste before turning in. Please also use a sealing ring behind thread.