

UV Sensor Probe

GUVx-T1xGC-5LW9



Features

- Single Supply Voltage, Analog Voltage Output, Cable length : 1m
- Water Environment (10 bar)

Applications

UV Curing Lamp Monitoring

Sterilization Lamp Monitoring



Fig1. UV Sensor Probe

Case dimensions

Thread/Length for Mounting	PT 3/4" / 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

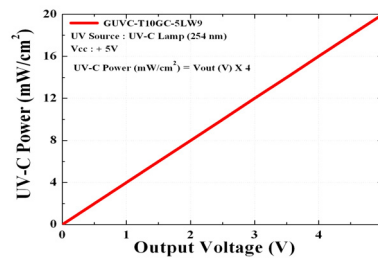
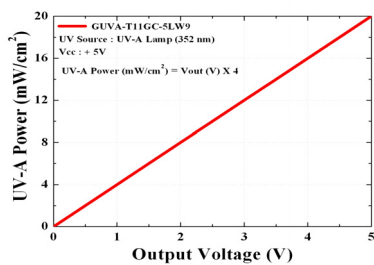
Absolute Maximum Ratings

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

Electro-Optical Characteristics (at 25 °C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Remark
Supply Voltage	V _{cc}		5		V	DC
Supply Current	I _Q		0.05		mA	
Detection Range	GUVA-T11GC-5LW9	λ	220	370	nm	10% of Max.
	GUV-C-T10GC-5LW9	λ	220	280	nm	10% of Max.
Output Voltage	V _{out}	0		5	V	
Detection Power Range	P	0		20	mW/cm ²	
Response Time	T		10		ms	

Output Voltage along UV power



$$\text{UV Power (mW/cm}^2\text{)} = \text{Vout (V)} \times 4$$

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