

UV Sensor Probe

GUVx-T1xGC-LA2



Features

- Air Environment, Single Supply Voltage, Analog Voltage Output

Applications

UV Lamp Monitoring

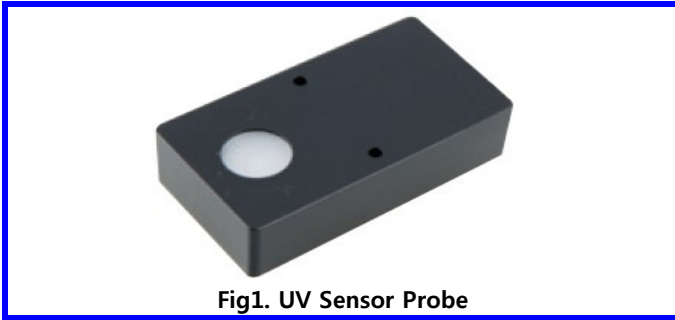


Fig1. UV Sensor Probe

Case dimensions

Size (mm ³)	55 × 30 × 16
Window (mm)	12
No. of fixed hole	2
hole to hole (mm)	22
Weight (g)	57
Cable Length (m)	5

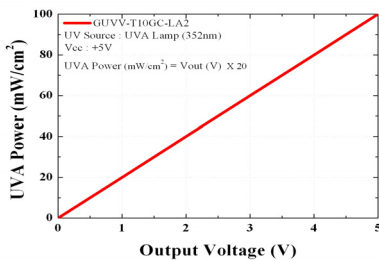
Absolute Maximum Ratings

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

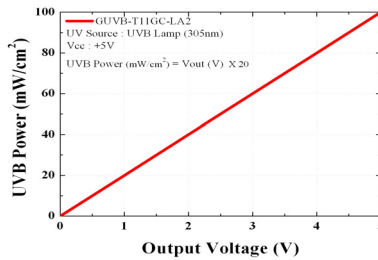
Electro-Optical Characteristics (at 25 °C)

Parameter	Symbol	Value			Unit	Remark
		Min.	Typ.	Max.		
Supply Voltage	V _{cc}	1.8	5	5.5	V	DC
Supply Current	I _Q		0.05		mA	
Detection Range	GUVV-T10GC-LA2	λ	230	395	nm	10% of Max.
	GUVB-T11GC-LA2	λ	220	320	nm	10% of Max.
	GUVC-T10GC-LA2	λ	220	280	nm	10% of Max.
Output Voltage	V _{out}	0		5	V	V _{cc} =5V
Detection Power Range	P	0		100	mW/cm ²	V _{cc} =5V
Response Time	T		10		ms	

Output Voltage along UV power

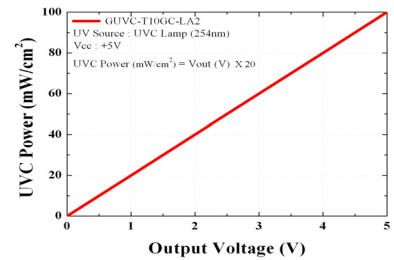


GUVV-T10GC-LA2



GUVB-T11GC-LA2

UV Power (mW/cm²) = Vout (V) × 20



GUVC-T10GC-LA2