Separable Cable UV Sensor Probe

GUVx[1)]-T1x[2)]GC-x[3)]LA5

Genuine UV Technology

Features

- Air Environment, Single Supply Voltage, 0-5V Voltage or 4-20㎃ Current Output, Separable Cable(Molex connector)

Applications

UV Lamp Monitoring

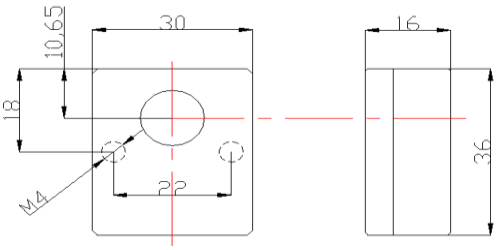


Fig1. LA5 Probe

Color	Terminal	Remark
Red	V_{cc}	DC 5V or 24V
Black	GND	
Green	V_{out} or I_{out}	5V or 4-20mA
White	GND	

Table1. Wiring connections

Case Dimensions

Parameter	Size (㎜)	Window (㎜)	No. of fixed hole	hole to hole (㎜)	Weight (g)
Dimensions	36 × 30 × 16	12	2	22	40

Absolute Maximum Ratings

Parameter	Symbol	Value			Unit	Remark
		Min.	Typ.	Max.		
Storage Temperature	T_{st}	-40		90	℃	
Operating Temperature	T_{op}	-30		85	℃	

Electro-Optical Characteristics (at 25 ℃)

Parameter		Symbol	Value			Unit	Remark
			Min.	Typ.	Max.		
Supply Voltage		V_{cc}		5		V	LA
			9		24		2LA, ILA
Supply Current		I_Q		0.05		㎃	V_{cc} = 5V
				3.3			V_{cc} = 9 ~ 24V
Offset Current		I_{off}	3.9	4	4.1		ILA
Detection Range	GUVV-T10GC-xLA5	λ	230		395	㎚	10% of Max.
	GUVA-T11GC-xLA5		220		370		
	GUVB-T11GC-xLA5		220		320		
	GUVC-T10GC-xLA5		220		280		
	GUVL-T10GC-xLA5		220		320		
	GVBL-T12GC-xLA5		320		445		
	GVGR-T10GC-xLA5		300		510		
Output	Voltage	V_{out}	0		5	V	LA, 2LA
	Current	I_{out}	4		20	㎃	ILA
Detection Power Range		P	0		100	㎽/㎠	*Standard
Response Time		T		10		㎳	

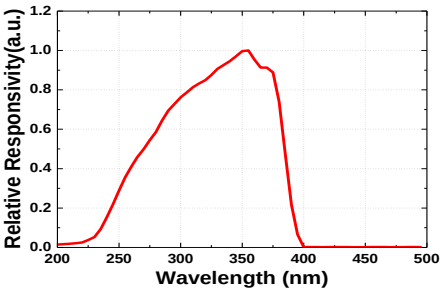
1) Detection range(GUVx-UV, GVxx-Visible)

2) Serial No. of sensor

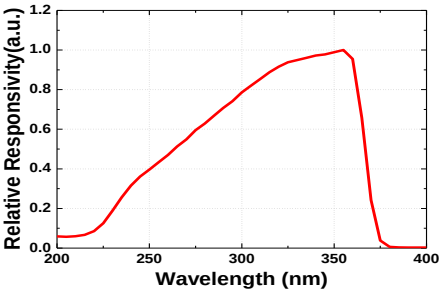
3) Supply Voltage/ Output (None: 5V/Output Voltage, 2: 9 - 24V/Output Voltage, ILA: 9 - 24V/Output Current)

*Order production abailable(20, 50, 500㎽/㎠ etc)

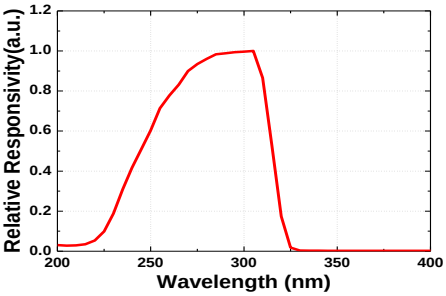
Responsivity Curve



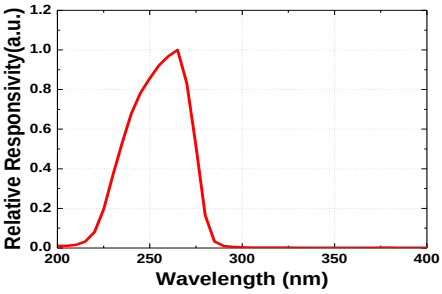
1) GUVV-T10GC-xLA5



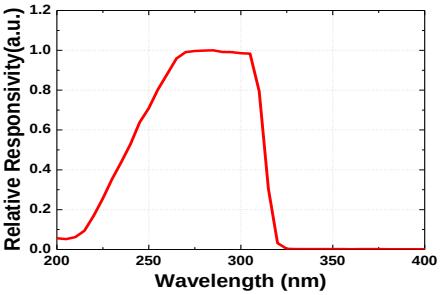
2) GUVA-T11GC-xLA5



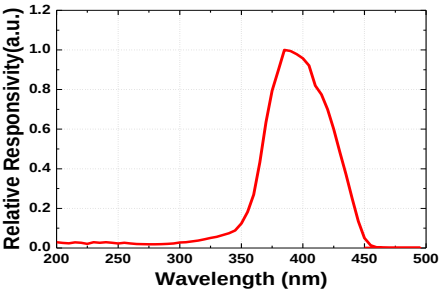
3) GUVB-T11GC-xLA5



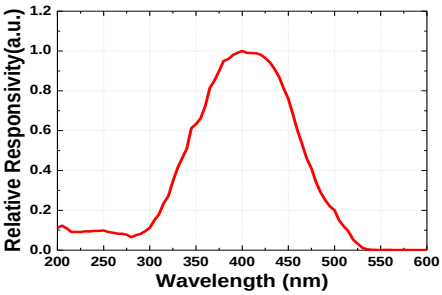
4) GUVC-T10GC-xLA5



5) GUVL-T10GC-xLA5

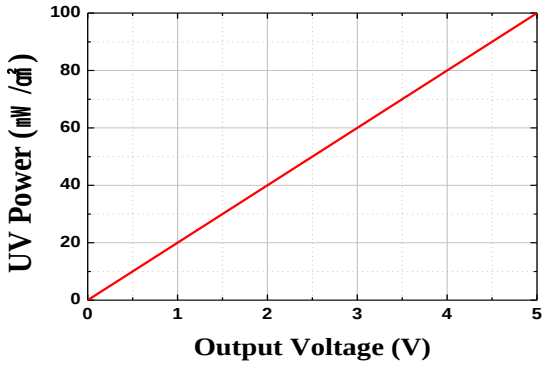


6) GVBL-T12GC-xLA5



7) GVGR-T10GC-xLA5

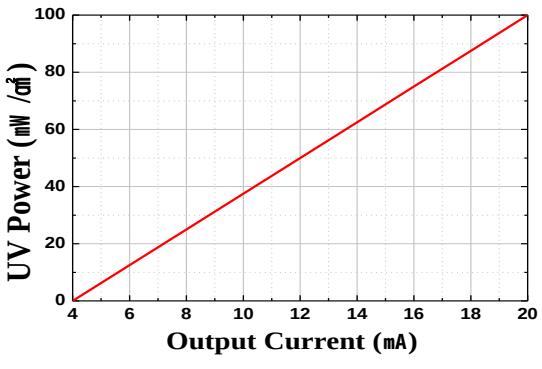
UV Power along Output Voltage



GUVx-T1xGC-xLA5

UV Power (mW/cm²) = Vout (V) × 20

UV Power along Output Current



GUVx-T1xGC-ILA5

UV Power (mW/cm²) = [Iout (mA)-4] × 6.25