

# UV Sensor Probe

## GUVA-S12SC-3LWH3

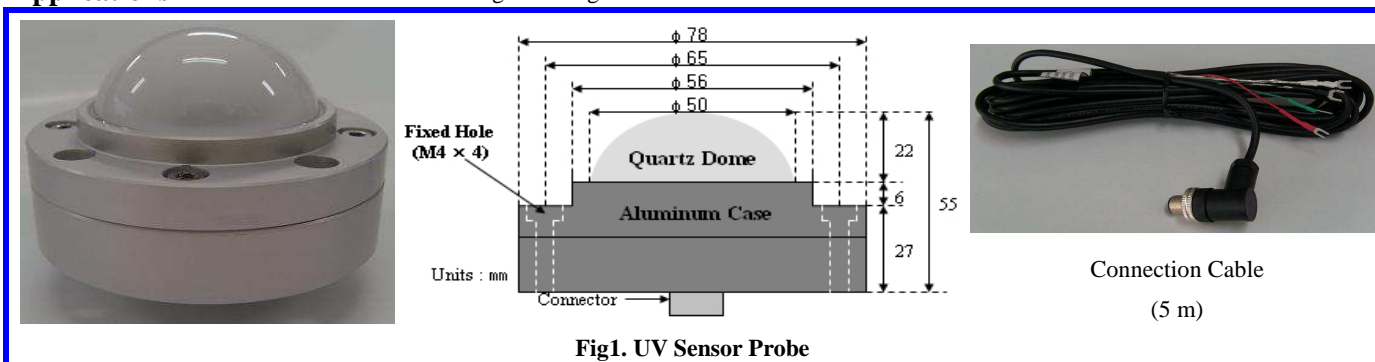


### Features

- Single Supply Voltage, Analog Voltage Output
- Measure the UV Power from Sunlight

### Applications

UV Power Monitoring of Sunlight



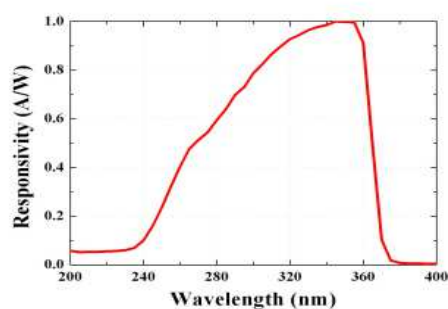
### Absolute Maximum Ratings

Parameter	Symbol	Value			Unit	Remark
		Min.	Typ.	Max.		
Storage Temperature	T <sub>st</sub>	-40		90	℃	
Operating Temperature	T <sub>op</sub>	-30		85	℃	

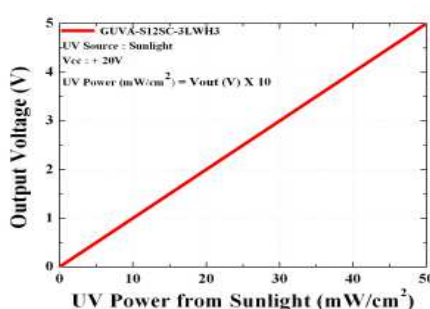
### Electro-Optical Characteristics (at 25 ℃)

Parameter	Symbol	Value			Unit	Remark
		Min.	Typ.	Max.		
Supply Voltage	V <sub>cc</sub>	9		24	V	Standard
		1.8		5.5	V	Low Power (Option)
Supply Current	I <sub>Q</sub>		3.3		mA	
Spectral Detection Range	λ	220		370	nm	10% of Max.
Output Voltage	V <sub>out</sub>		0.1		V	at 1 mW/cm <sup>2</sup>
Response Time	T		10		ms	

### Relative Responsivity



### Output Voltage along UV power



$$\begin{aligned} \text{UV Power (mW/cm}^2\text{)} &= \\ &= \text{Vout (V)} \times 10 \end{aligned}$$