



UV Sensor Probe

GUVA-S12SC-3LWH3

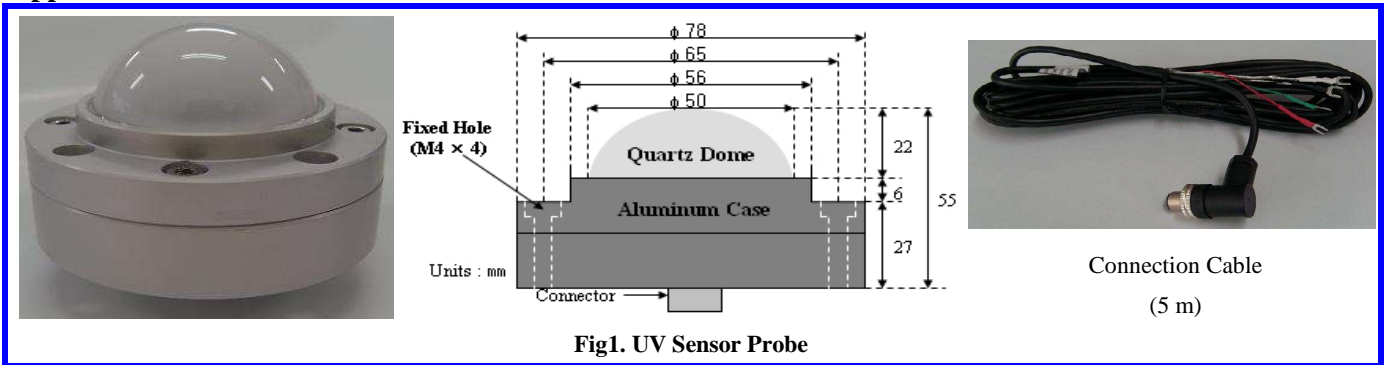


Features

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

Applications

UV Power Monitoring of Sunlight



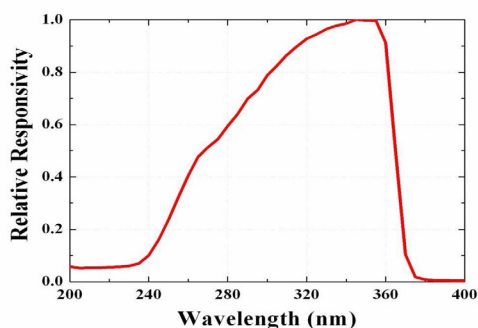
Absolute Maximum Ratings

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

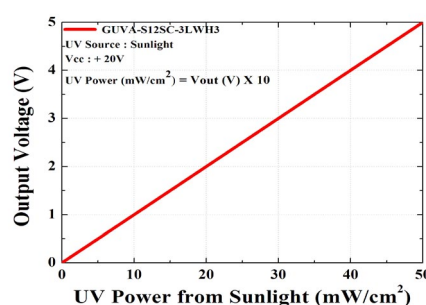
Electro-Optical Characteristics (at 25 °C)

Parameter	Symbol	Value			Unit	Remark
		Min.	Typ.	Max.		
Supply Voltage	V _{cc}	9		24	V	Standard
		1.8		5.5	V	Low Power (Option)
Supply Current	I _Q		3.3		mA	
Spectral Detection Range	λ	240		370	nm	10% of Max.
Output Voltage	V _{out}		0.1		V	at 1 mW/cm ²
Response Time	T		10		ms	

Relative Responsivity



Output Voltage along UV power



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