



UV Sensor Probe

GUVB-S11SC-3LWH3




Features

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

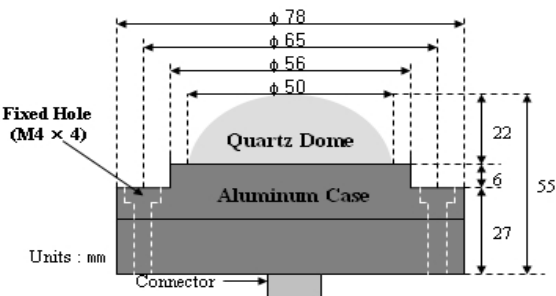
Applications


UV Index Monitoring



Fixed Hole (M4 × 4)

Units : mm





Connection Cable
(5 m)

Fig1. UV Sensor Probe

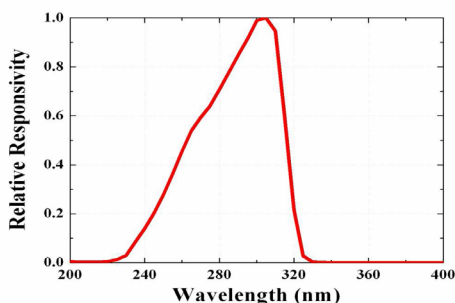
Absolute Maximum Ratings

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

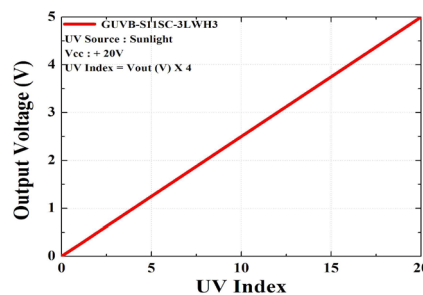
Electro-Optical Characteristics (at 25 °C)

Parameter	Symbol	Value			Unit	Remark
		Min.	Typ.	Max.		
Supply Voltage	V _{cc}	9		24	V	DC
		1.8		5.5	V	Low Power (Option)
Supply Current	I _Q		3.3		mA	
Spectral Detection Range	λ	280		400	nm	Erythema Weighting Factor
Output Voltage	V _{out}		0.25		V	at IUVI
Response Time	T		10		ms	

Relative Responsivity



Output Voltage along UV Index



$$\text{UV Index (UVI)} = \text{Vout (V)} \times 4$$