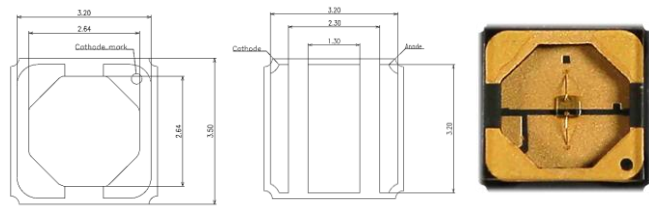


SUVISEN 375

UVA SENSOR

SUVA-CS-CA3535



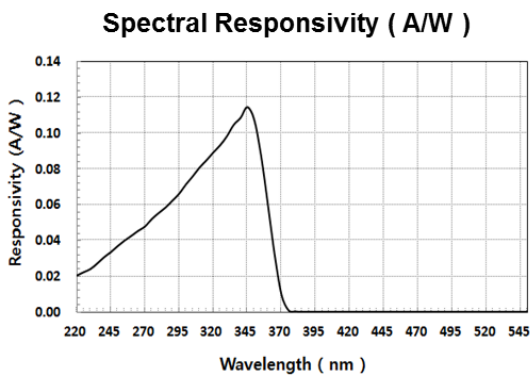
Preliminary

This could be changed without notice



Product Brief

Description



Features and Benefits

- GaN Based Material
- Active Area A = 0.121 mm²
- SMD3535 PKG / Quartz cover type
- High UV sensitivity & Low Dark Current

Key Applications

- UVA, B, C source Monitor
- UV LED Monitor / UV Index Monitor

Maximum Ratings

Parameter	Symbol	Value	Unit	Remark
Operating Temperature	T _{opt}	- 40 to + 85	°C	
Storage Temperature	T _{sot}	- 40 to + 85	°C	
Soldering Temperature	T _{sol}	260	°C	Within 10sec
Reverse Voltage	V _R	3	V	

General Characteristics (@ 25°C)

Parameter	Symbol	Value			Unit	Test Conditions
		Min.	Typ.	Max.		
Active Area	A		0.121		mm ²	400 x 400 μm ²
Responsivity	R		0.11		A/W	λ=345nm, Vr=0V
Dark Current	I _D		< 1		nA	Vr = 1V
Photo Current	I _{ph}	20		50	nA	UVA Lamp, ~1mW/cm ²
Temperature Coefficient	I _{tc}		< 0.3		%/°C	UVA Lamp
Spectral Detection Range	λ	200		375	nm	Cut off : 10% of R