

Far UV Sensor GFUV-T10GD-L



Features

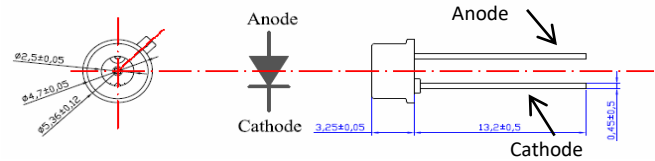
- Aluminium Gallium Nitride Based Material
- Schottky-type Photodiode
- Photovoltaic Mode Operation
- Good Solar Blindness



Applications

- Far UV Monitoring
- Excimer Lamp Monitoring

Outline Diagrams and Dimensions



Absolute Maximum Ratings

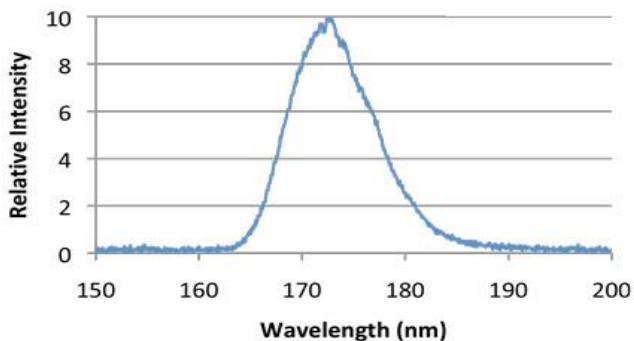
Parameter	Symbol	Min.	Max.	Unit	Remark
Storage Temperature	T _{st}	-40	90	°C	
Operating Temperature	T _{op}	-30	85	°C	
Reverse Voltage	V _{r, max.}		2	V	
Forward Current	I _{f, max.}		1	mA	
Optical Source Power Range	P _{opt}	0.1m	100m	W/cm ²	Excimer Lamp
Soldering Temperature	T _{sol}		260	°C	within 10 sec.

*Notice: apply to us in the case that Optical Source Power is over 100,000μW/cm².

Characteristics (at 25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Conditions
Dark Current	I _d			100	pA	V _r = 1 V
Photo Current	I _{ph}	2.12	2.35	2.58	nA	172nm peak Excimer Lamp 1mW/cm ²
Spectral Detection range	λ			245	nm	
Active area			1.536		mm ²	

172nm Peak Lamp Spectrum (Excimer Lamp)



Caution

ESD can damage the device hence please avoid ESD. Insulate the cap of TO-CAN or it can cause malfunction of the device.