GaN系列紫外探测器 LD-G360-020T

UVA Sensor: **LD-G360-020T**

Features	
	Indium Gallium nitride based material
	Broad band UVA+UVB+UVC photodiode
	Photovoltaic mode operation
	TO-46 metal housing
	Good visible blindness
	High responsivity and low dark current

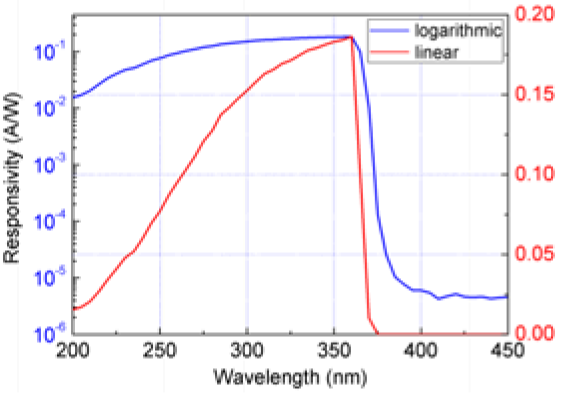
Applications

- UV LED monitoring
- UV radiation dose measurement
- UV Curing

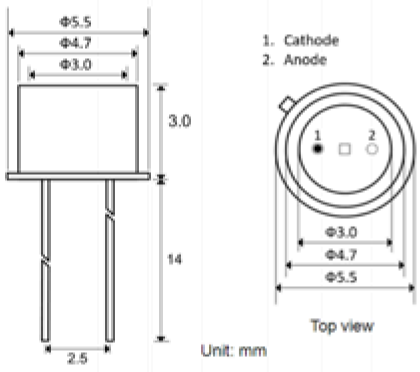
Specifications

Parameter	Symbol	Value	Unit
Spectral characteristics (25 °C)			
Wavelength of peak responsivisity	λ_{max}	360	nm
Peak responsivisity (at 360 nm)	R_{max}	0.18	A/W
Spectral response range	-	180~370	nm
UV/visible rejection ratio ($R_{max}/R_{400\ nm}$)	VB	$>10^4$	-
General characteristics (25 °C)			
Chip size	A	0.2	mm^2
Dark current (1 V reverse bias)	I_d	<0.1	nA
Capacitance (at 0 V and 1 MHz)	C	4.5	pF
Temperature coefficient	T_c	-0.1	%/°C
Maximum ratings			
Operation temperature range	T_{opt}	-40~85	°C
Storage temperature range	T_{stor}	-40~85	°C
Soldering temperature (3 s)	T_{sold}	260	°C
Reverse voltage	V_{Rmax}	10	V

Spectral response



Package dimensions



***Caution:** ESD can damage the device hence please avoid ESD.