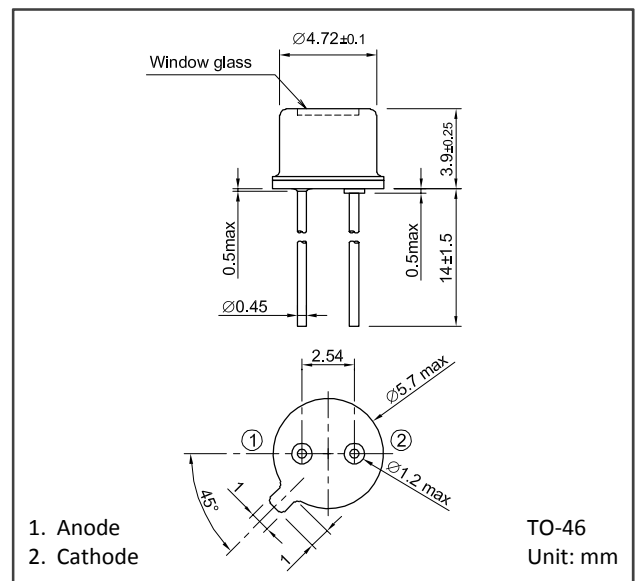


Features

- Sensitivity covering UV-C radiations
- Detectable area size $\phi 0.3\text{mm}$
- Hermetic seal type with quartz flat window for high reliability uses

Applications

- Suitable for monitoring optical intensity of sterilizing ray of Hg lamp (253.7nm)
- UV-C lasers and UV-C LEDs
- UV-C source monitors
- UV-C sensors
- UV-C exposure meters
- Medical use

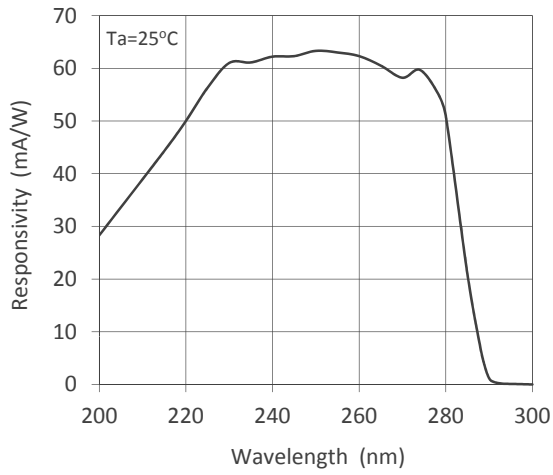
**Absolute Maximum Ratings**

Parameter	Symbol	Value	Unit	Note
Reverse voltage	V_R	5	V	
Operating temperature	T_{opr}	-40 to +80	°C	Avoid dew condensation
Storage temperature	T_{stg}	-40 to +85	°C	Avoid dew condensation
Soldering temperature	T_{sol}	260	°C	Max 5 sec.

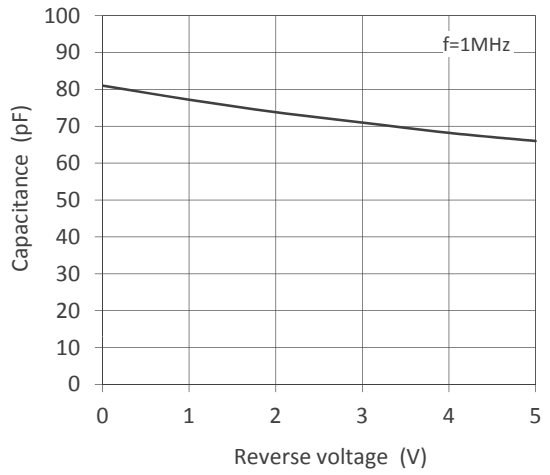
Electrical and Optical Characteristics ($T_a=25^\circ\text{C}$ unless otherwise noted)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Active area	S	0.07			mm^2	
Sensitive wavelength	λ	200	-	290	nm	
Responsivity	R	50	60	-	mA/W	$V_R=0\text{V}$, $\lambda=254\text{nm}$
Dark current	I_D	-	5	1000	μA	$V_R=1\text{V}$
Terminal capacitance	C_t	-	80	-	pF	$V_R=0\text{V}$, $f=1\text{MHz}$

Spectral Responsivity



Capacitance - Reverse Voltage



- Specifications , characteristics, data, materials, structures specified in this datasheet are subject to change without notice. Please refer to the latest specification before use of the products.
- Products listed in this datasheet comply with the RoHS Directive (EU2002/95/EC).

Opto-technologies for the Future



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