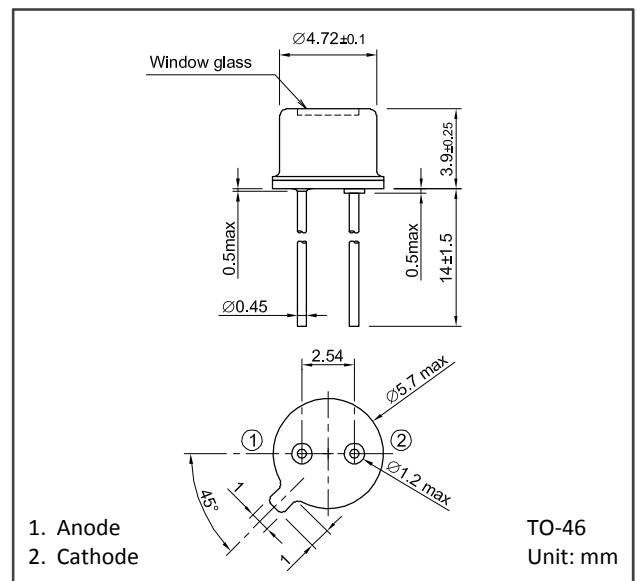


**Features**

- 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

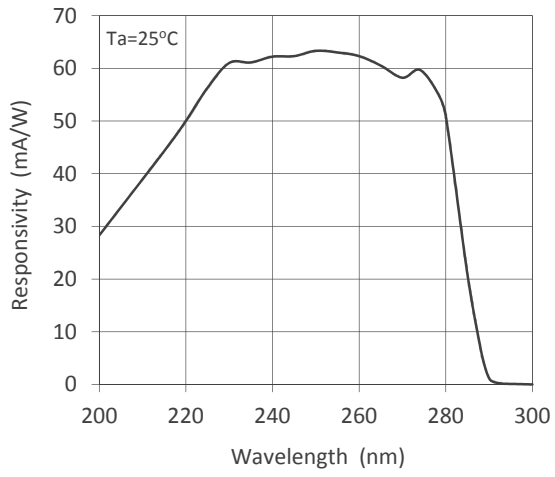
**Absolute Maximum Ratings**

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.

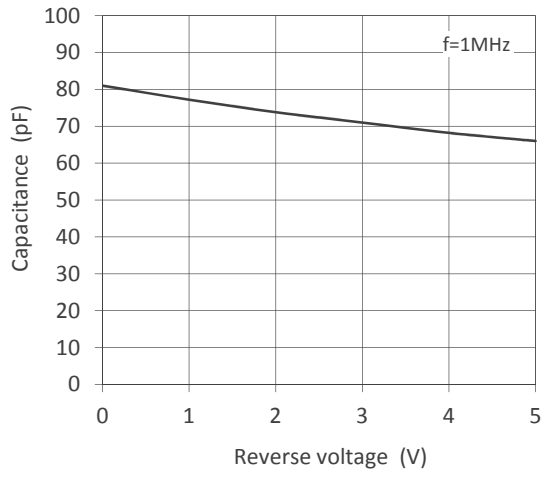
**Electrical and Optical Characteristics** ( $T_a=25^\circ\text{C}$  unless otherwise noted)

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

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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## KYOSEMI CORPORATION

<http://www.kyosemi.co.jp/>

**Headquarters :** 949-2 Ebisucho Fushimi-ku, Kyoto 612-8201 Japan

TEL: +81-75-605-7311

**Tokyo Sales Office:** 24<sup>th</sup> Sky Bldg.2F, 1-34-3 Shinjuku Shinjuku-ku, Tokyo 160-0022 Japan

TEL: +81-3-5312-5360

**Kansai Sales Office:** 949-2 Ebisucho Fushimi-ku, Kyoto 612-8201 Japan

TEL: +81-75-605-7311

**Kyosemi Opto America Corp:** 4655 Old Ironsides Suite 230 Santa Clara, California 95054 USA

TEL: +1-408-492-9361

**Eniwa Operation:** 385-31 Toiso Eniwa-shi, Hokkaido 061-1405 Japan

TEL: +81-123-34-3111

**Kamisunagawa Operation:** 70-1 Kamisunagawa Kamisunagawa-cho Sorachi-gun, Hokkaido 073-0200 Japan

TEL: +81-125-62-3611