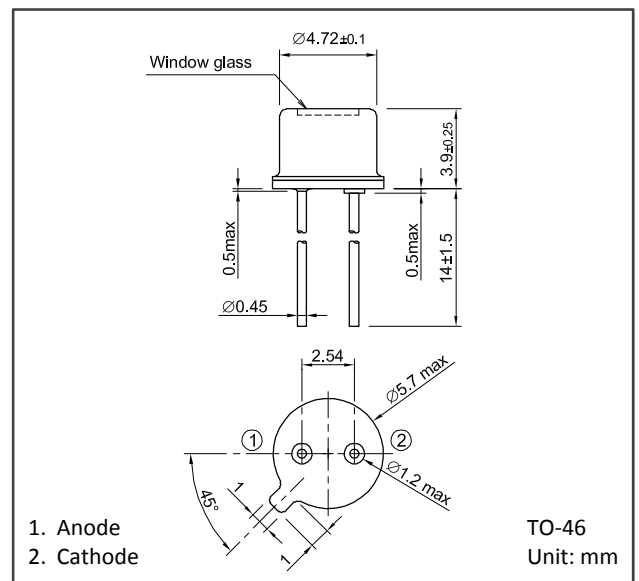


Features

- Sensitivity covering UV-C radiations
- Large detectable area size 0.86mm sq.
- 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

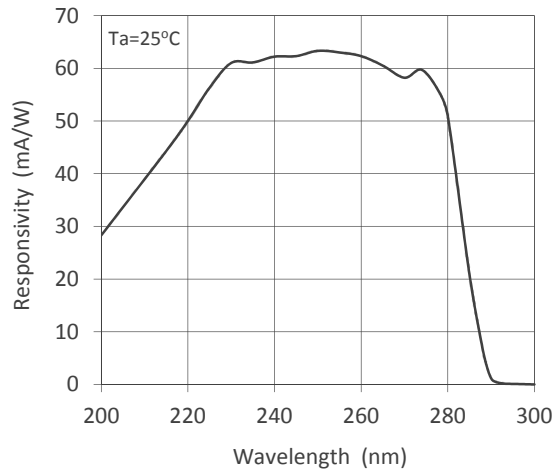
**Absolute Maximum Ratings**

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.

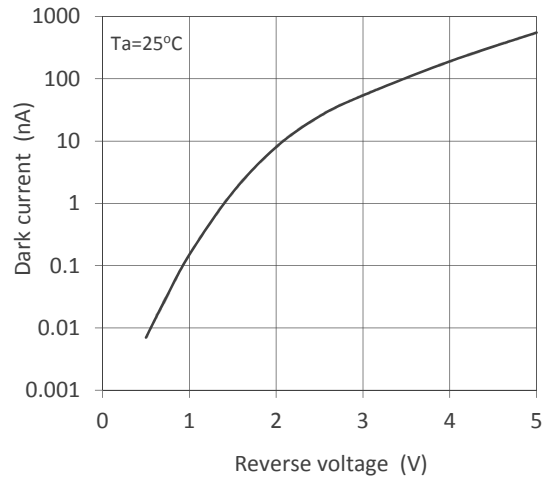
Electrical and Optical Characteristics (Ta=25°C unless otherwise noted)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Active area	S	0.86 x 0.86			mm ²	
Sensitive wavelength	λ	200	-	290	nm	
Responsivity	R	50	60	-	mA/W	$V_R=0V, \lambda=254nm$
Dark current	I_D	-	-	20	nA	$V_R=1V$
Terminal capacitance	C_t	-	460	-	pF	$V_R=0V, f=1MHz$

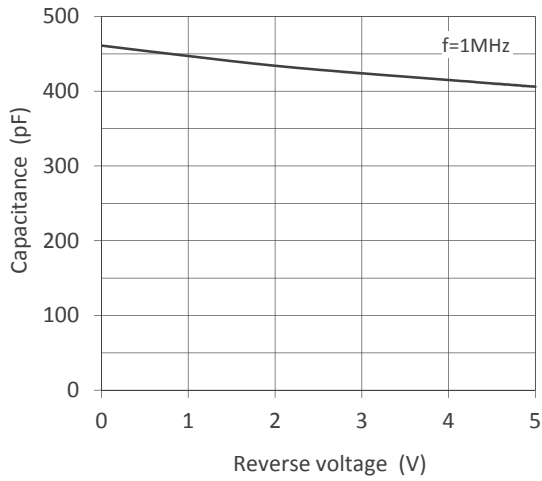
Spectral Responsivity



Dark Current - Reverse Voltage



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



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: 24th 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