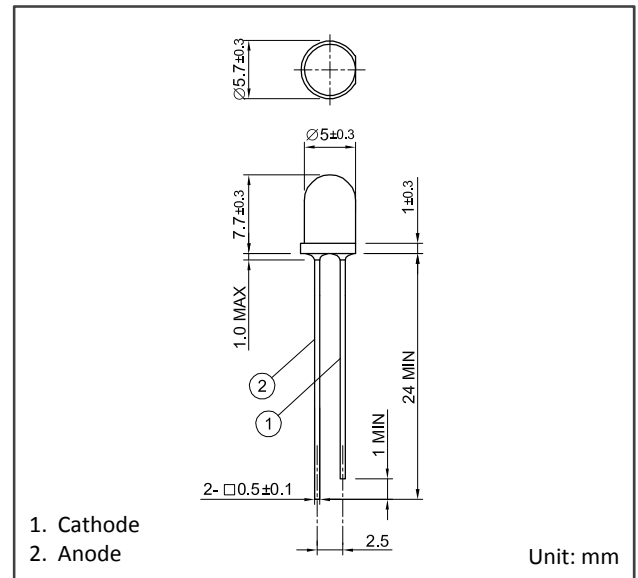


Features

- NIR sensitive up to 1700nm
- Plastic mold package
- Various package option
(Ceramic, Metal stem, TO-CAN)

Applications

- Optical switches
- Sensors and industrial controls

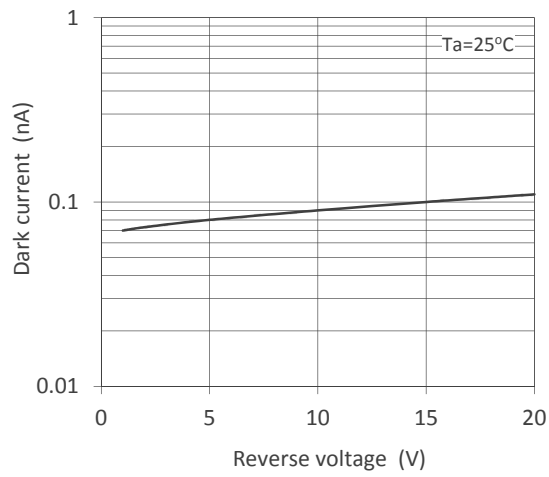
**Absolute Maximum Ratings**

Parameter	Symbol	Value	Unit	Note
Reverse voltage	V_R	20	V	
Reverse current	I_R	500	μA	
Forward current	I_F	50	mA	
Operating temperature	T_{opr}	-20 to +80	$^{\circ}\text{C}$	Avoid dew condensation
Storage temperature	T_{stg}	-30 to +100	$^{\circ}\text{C}$	Avoid dew condensation

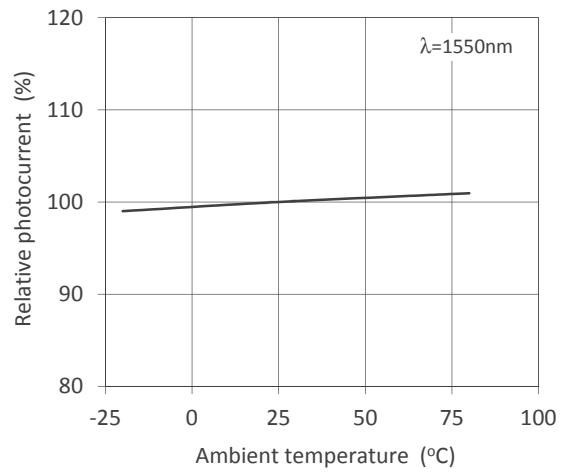
Electrical and Optical Characteristics ($T_a=25^{\circ}\text{C}$ unless otherwise noted)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Active diameter	D	$\phi 0.3$			mm	
Sensitive wavelength	λ	900	1500 (λ_p)	1700	nm	λ_p =Peak wavelength
Responsivity	R	-	0.9	-	A/W	$\lambda=1550\text{nm}$
Dark current	I_D	-	-	1	nA	$V_R=5\text{V}$
Terminal capacitance	C_t	-	4	6	pF	$V_R=5\text{V}$, $f=1\text{MHz}$

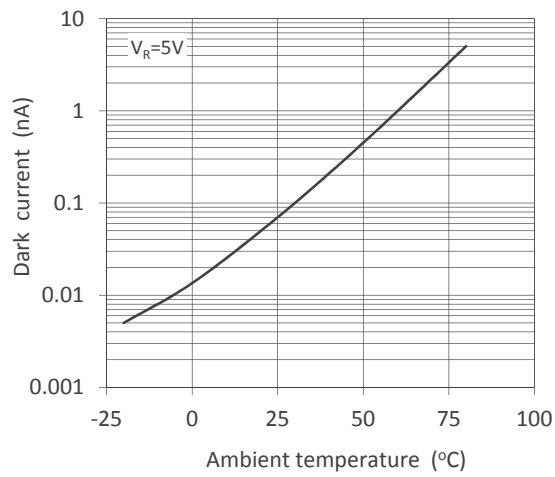
Dark Current - Reverse Voltage



Photocurrent - Ambient Temperature



Dark Current - Ambient Temperature



- 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