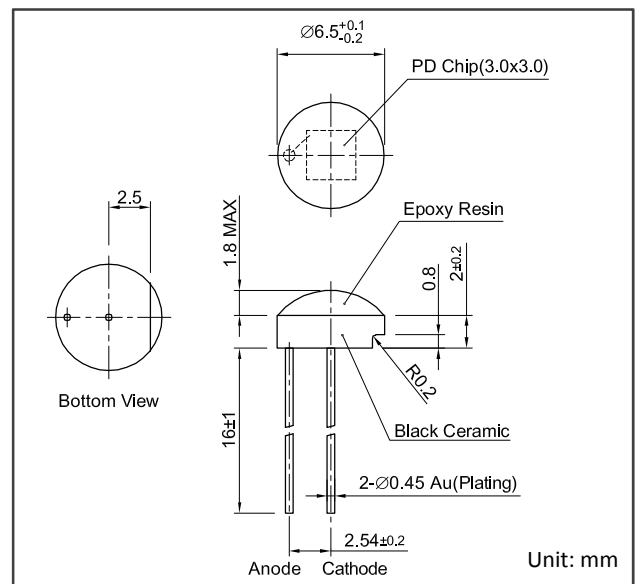


Features

- Transparent epoxy potting
- High sensitivity

Applications

- Optical switches
- Optical encoders
- Pulse detectors
- Sensors and industrial controls



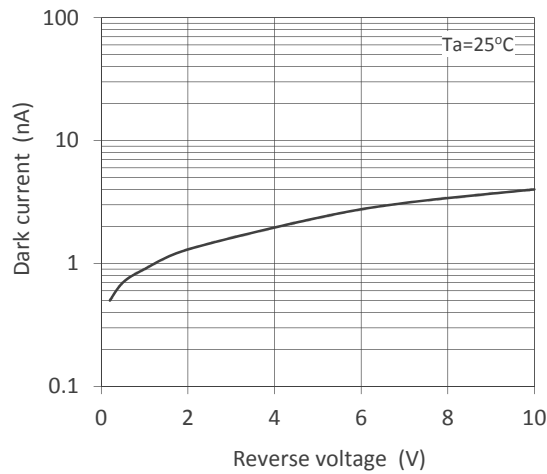
Absolute Maximum Ratings

Parameter	Symbol	Value	Unit	Note
Reverse voltage	V_R	10	V	
Reverse current	I_R	1	mA	
Forward current	I_F	10	mA	
Operating temperature	T_{opr}	-20 to +80	°C	Avoid dew condensation
Storage temperature	T_{stg}	-20 to +100	°C	Avoid dew condensation

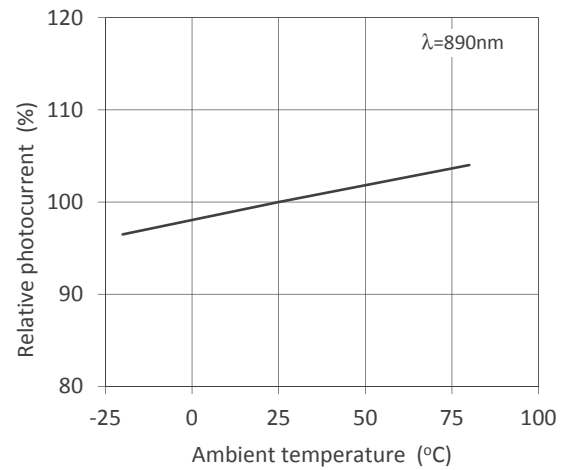
Electrical and Optical Characteristics (Ta=25°C unless otherwise noted)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Active area	S	2.59 x 2.59			mm ²	
Sensitive wavelength	λ	400	950(λ_p)	1100	nm	λ_p =Peak wavelength
Open circuit voltage	V_{op}	-	350	-	mV	1000lx @2856K
Short circuit current	I_{sh}	60	-	85	μ A	1000lx @2856K
Dark current	I_D	-	-	30	nA	$V_R=5V$
Terminal capacitance	C_t	-	30	-	pF	$V_R=5V, f=1MHz$

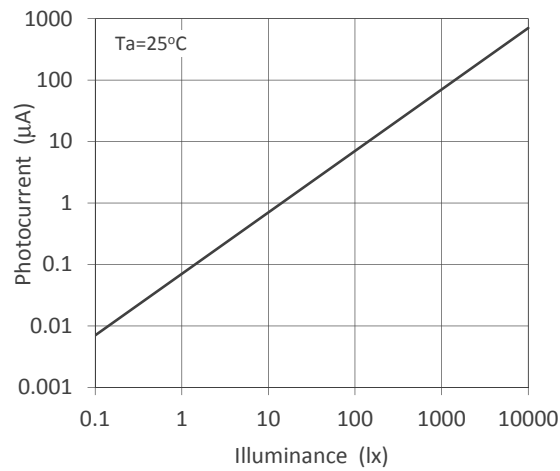
Dark Current - Reverse Voltage



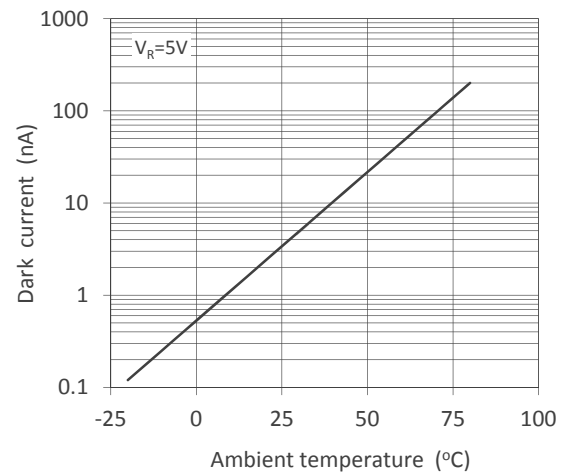
Photocurrent - Ambient Temperature



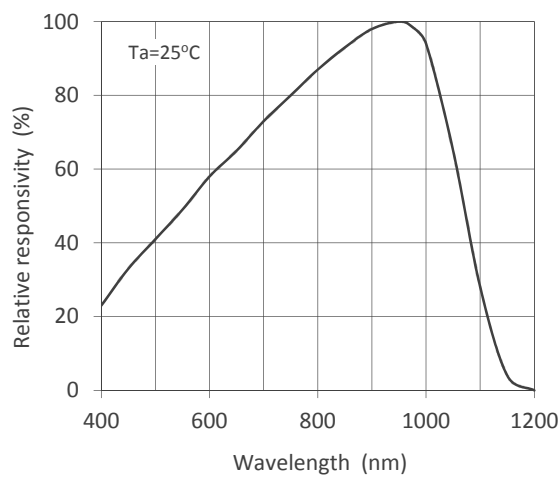
Photocurrent - Illuminance



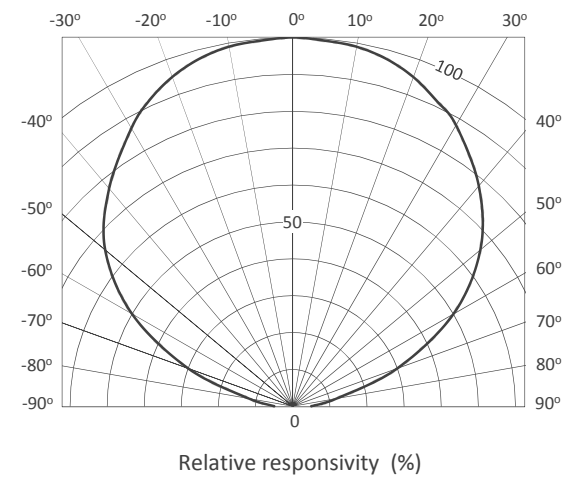
Dark Current - Ambient Temperature



Spectral Responsivity



Directivity



- 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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