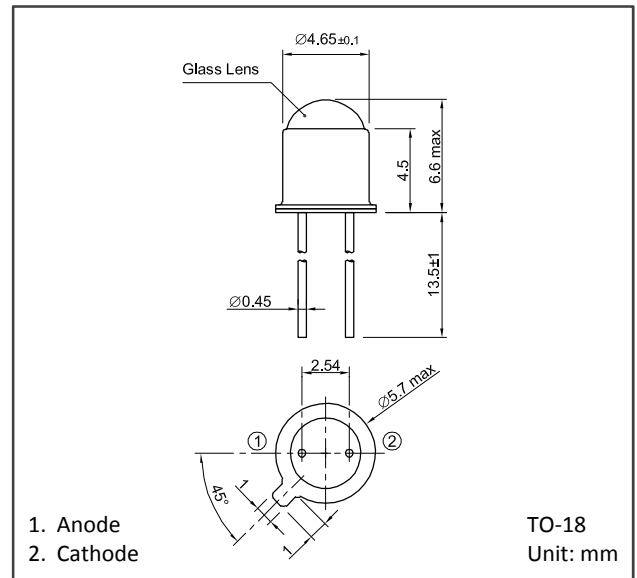


Features

- Hermetic seal type for high reliability uses
- Sharp directivity
- High frequency response

Applications

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

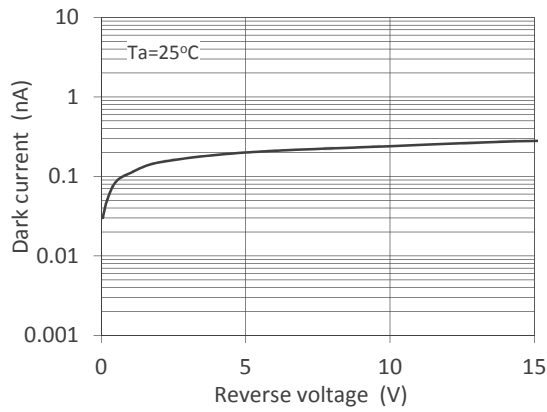
**Absolute Maximum Ratings**

Parameter	Symbol	Value	Unit	Note
Reverse voltage	V_R	15	V	
Reverse current	I_R	500	μA	
Forward current	I_F	10	mA	
Operating temperature	T_{opr}	-30 to +100	$^{\circ}\text{C}$	Avoid dew condensation
Storage temperature	T_{stg}	-40 to +125	$^{\circ}\text{C}$	Avoid dew condensation

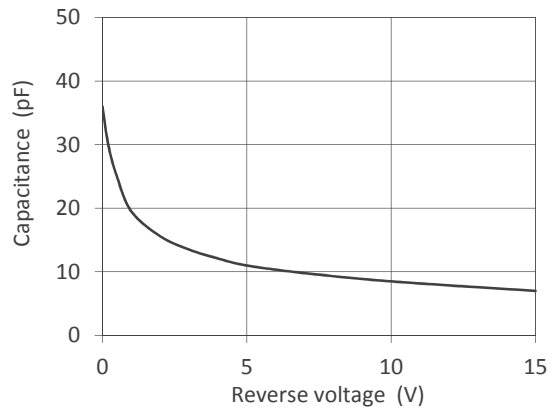
Electrical and Optical Characteristics ($T_a=25^{\circ}\text{C}$ unless otherwise noted)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Active area	S		1.1 x 1.1		mm^2	
Sensitive wavelength	λ	400	900(λ_p)	1100	nm	λ_p =Peak wavelength
Open circuit voltage	V_{op}	-	380	-	mV	1000lx @2856K
Short circuit current	I_{sh}	-	60	-	μA	1000lx @2856K
Dark current	I_D	-	-	10	nA	$V_R=5\text{V}$
Terminal capacitance	C_t	-	11	-	pF	$V_R=5\text{V}$, $f=1\text{MHz}$

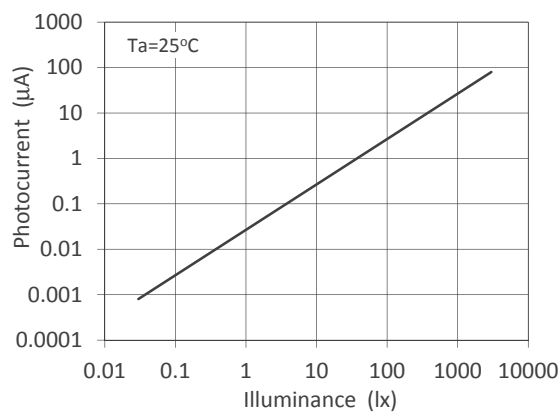
Dark Current - Reverse Voltage



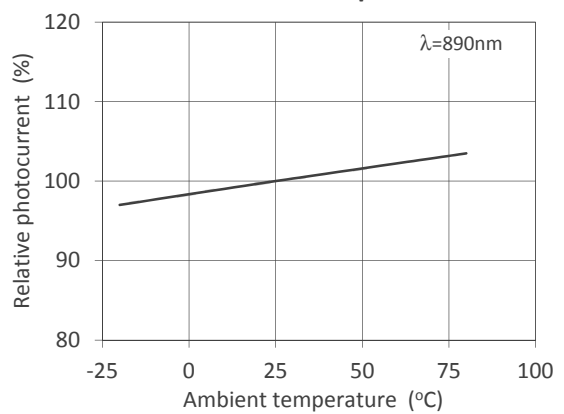
Capacitance - Reverse Voltage



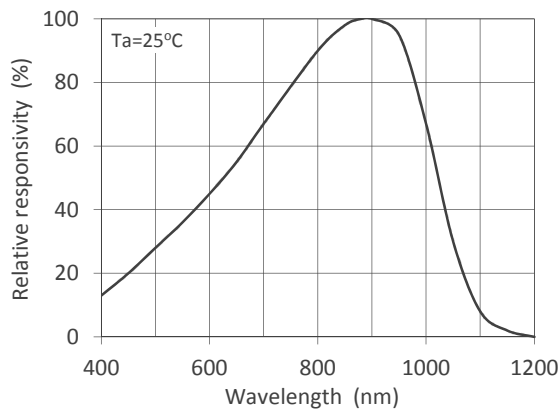
Photocurrent - Illuminance



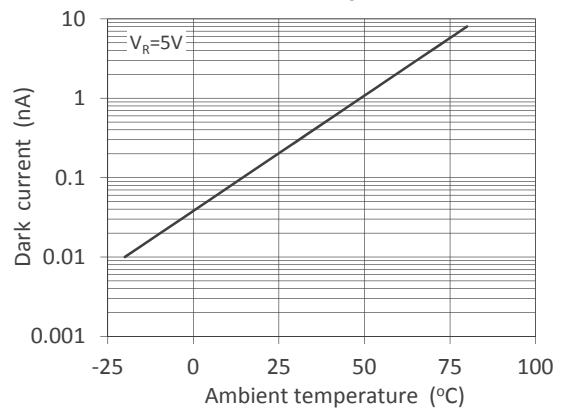
Photocurrent - Ambient Temperature



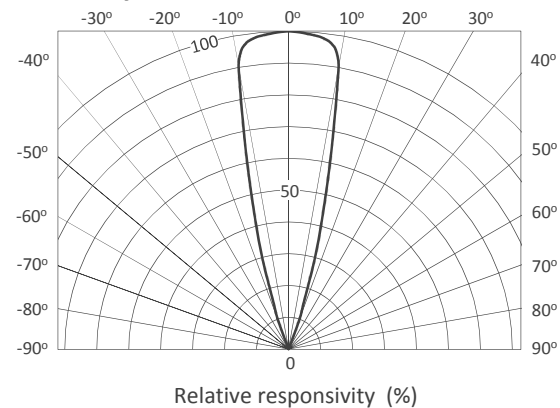
Spectral Responsivity



Dark Current - Ambient Temperature



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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