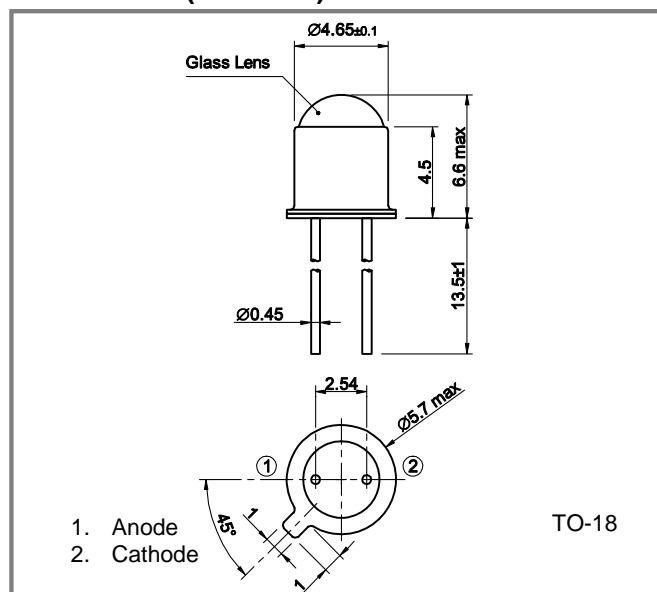


**Features**

- Hermetic seal type for high reliability uses
- Sharp directivity

**Applications**

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

**Dimensions (unit: mm)****Absolute Maximum Ratings**

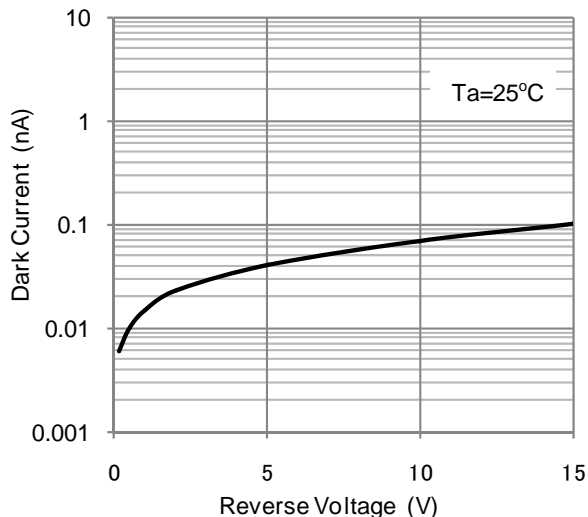
Parameter	Symbol	Value	Unit	Note
Reverse voltage	$V_R$	15	V	
Reverse current	$I_R$	500	$\mu A$	
Forward current	$I_F$	10	mA	
Operating temperature	$T_{opr}$	-40 to +125	$^{\circ}C$	Avoid dew condensation
Storage temperature	$T_{stg}$	-55 to +150	$^{\circ}C$	Avoid dew condensation

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

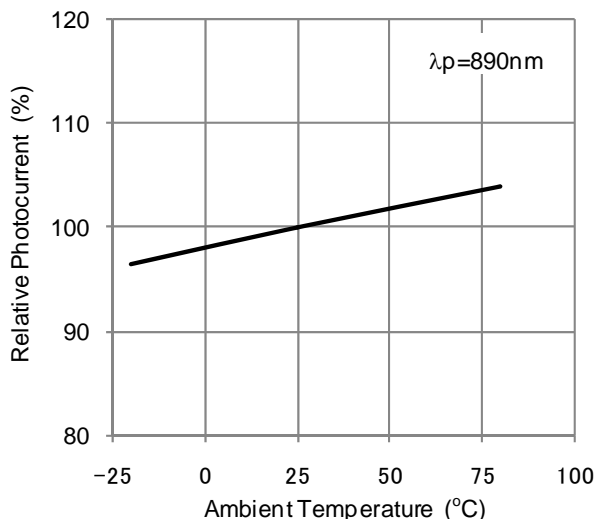
Parameter	Symbol	Min.	Typ.	Max	Unit	Test Conditions
Active area	S	0.92 x 0.92			$mm^2$	
Operating voltage	$V_{opr}$	-	-	5	V	
Sensitive wavelength	$\lambda$	400	880( $\lambda_p$ )	1000	nm	$\lambda_p$ =Peak wavelength
Open circuit voltage	$V_{op}$	-	400	-	mV	1000lx @2856K
Short circuit current	$I_{sh}$	-	60	-	$\mu A$	1000lx @2856K
Dark current	$I_D$	-	-	1	nA	$V_R=5V$
Terminal capacitance	$C_t$	-	50	-	pF	$V_R=0V, f=1MHz$

Specifications are subject to change without notice.

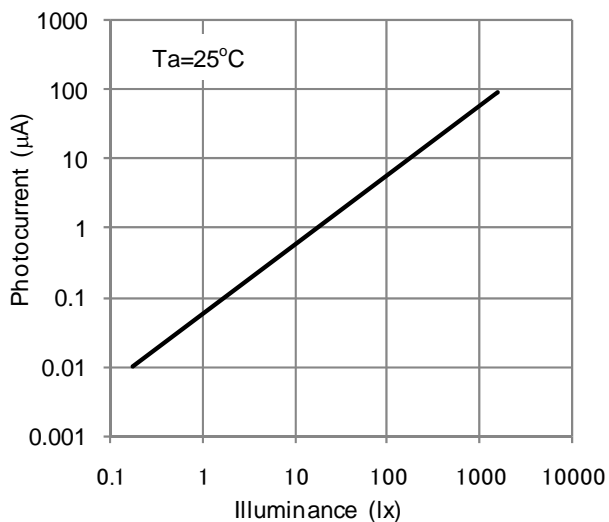
**Dark Current - Reverse Voltage**



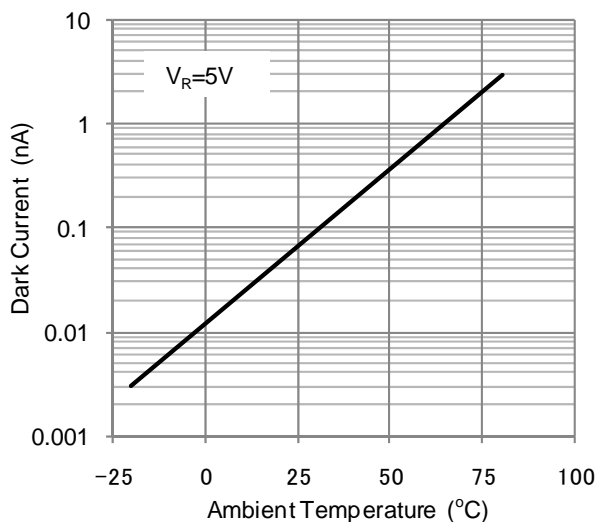
**Photocurrent - Ambient Temperature**



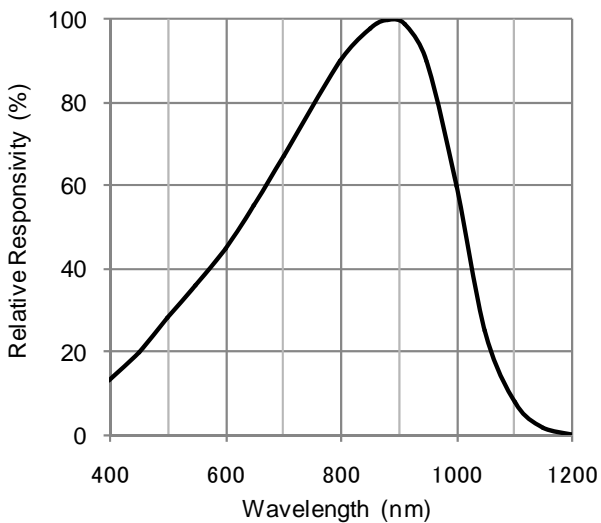
**Photocurrent - Illuminance**



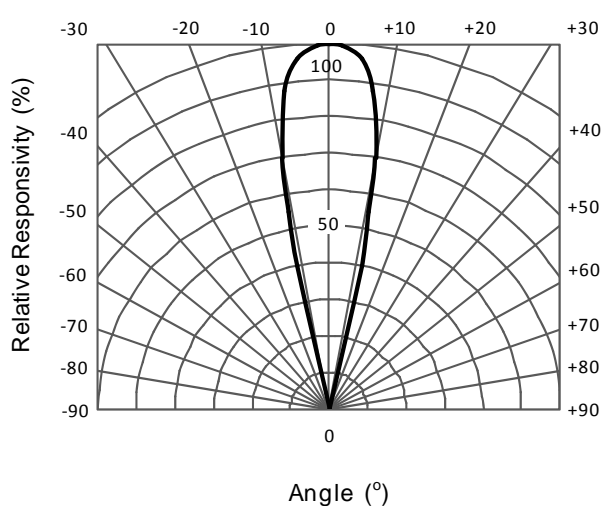
**Dark Current - Ambient Temperature**



**Spectral Responsivity**



**Directivity**



Specifications are subject to change without notice.

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