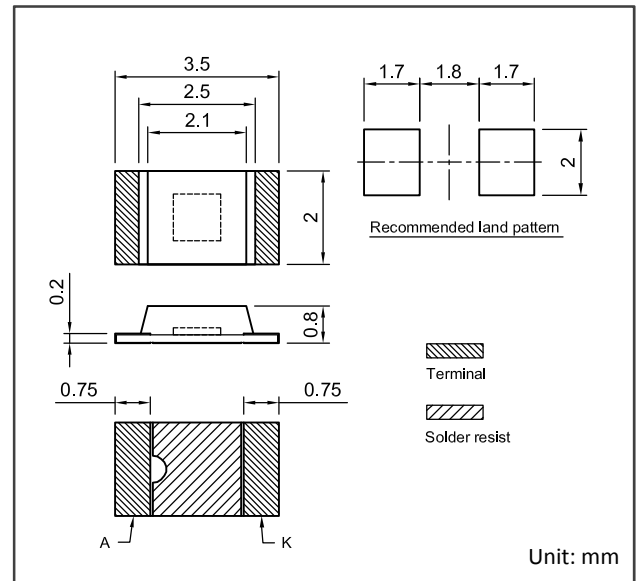


**Features**

- Transparent epoxy mold
- High sensitivity
- SMD type package

**Applications**

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

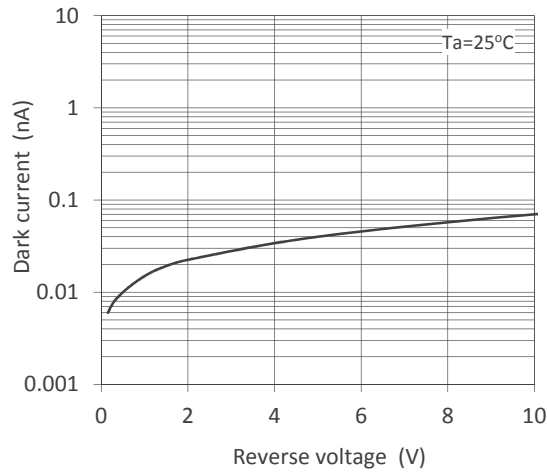
**Absolute Maximum Ratings**

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
Soldering temperature	$T_{sol}$	260	°C	Max 5 sec.

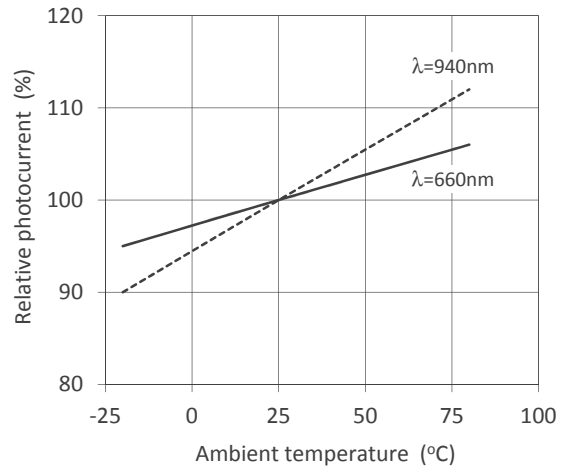
**Electrical and Optical Characteristics (Ta=25°C unless otherwise noted)**

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Active area	S	0.81 x 0.81			mm <sup>2</sup>	
Sensitive wavelength	$\lambda$	400	850( $\lambda_p$ )	1100	nm	$\lambda_p$ =Peak wavelength
Open circuit voltage	$V_{op}$	-	400	-	mV	1000lx @2856K
Short circuit current	$I_{sh}$	-	6	-	μA	1000lx @2856K
Dark current	$I_D$	-	-	10	nA	$V_R=5V$
Terminal capacitance	$C_t$	-	14	-	pF	$V_R=5V, f=1MHz$
Half angle	$2\theta$	-	140	-	deg.	

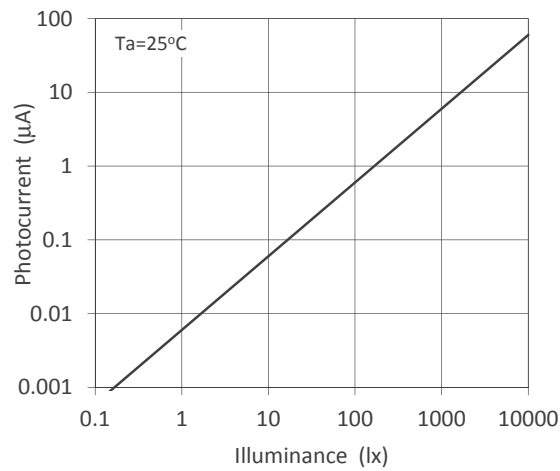
Dark Current - Reverse Voltage



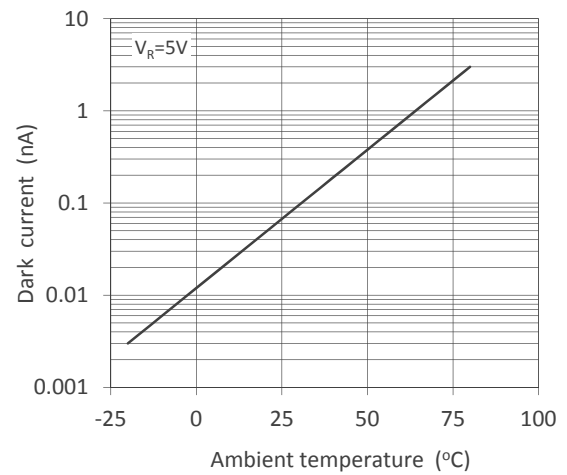
Photocurrent - Ambient Temperature



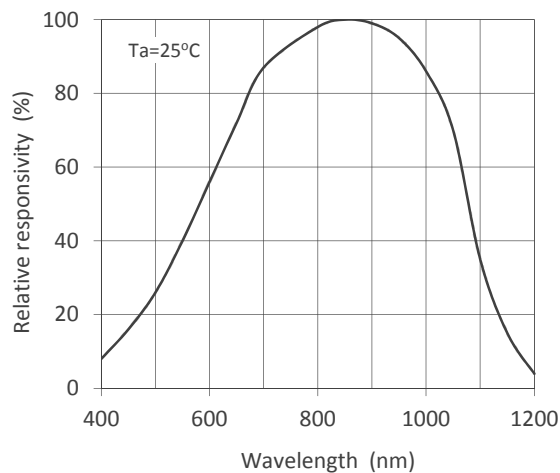
Photocurrent - Illuminance



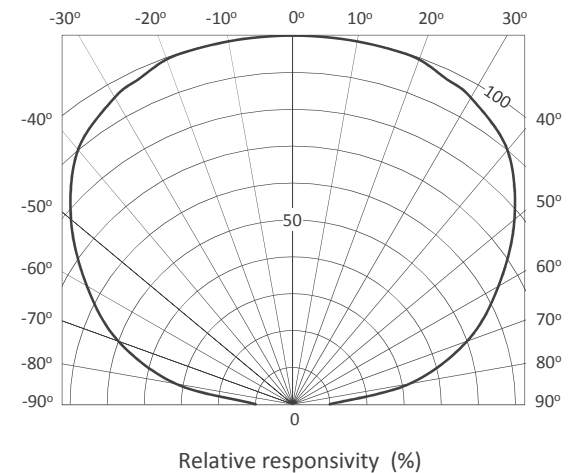
Dark Current - Ambient Temperature



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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