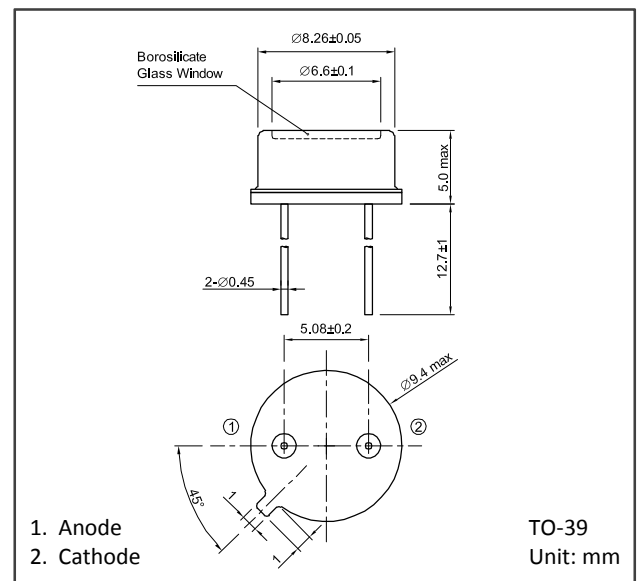


Features

- Enhanced sensitivity in UV-blue region
- Borosilicate glass window
- Large sensitive area

Applications

- UV sensors
- Spectroscopy
- Flame sensors
- Mercury lamp monitors
- UV exposure meters
- Medical uses



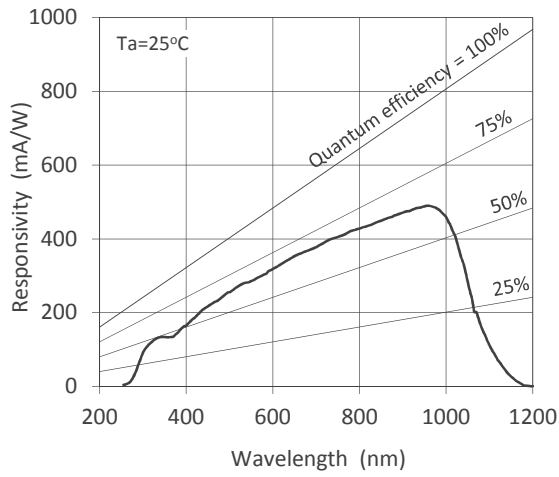
Absolute Maximum Ratings

Parameter	Symbol	Value	Unit	Note
Reverse voltage	V_R	15	V	
Reverse current	I_R	1	mA	
Forward current	I_F	10	mA	
Operating temperature	T_{opr}	-20 to +65	°C	Avoid dew condensation
Storage temperature	T_{stg}	-30 to +80	°C	Avoid dew condensation
Soldering temperature	T_{sol}	260	°C	Max 5 sec.

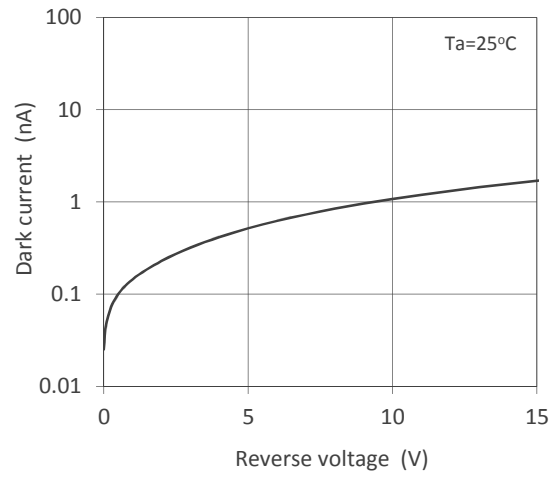
Electrical and Optical Characteristics (Ta=25°C unless otherwise noted)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Active area	S	4 x 4			mm ²	
Sensitive wavelength	λ	350	950(λ_p)	1100	nm	λ_p =Peak wavelength
Responsivity	R	100	115	-	mA/W	$V_R=0V, \lambda=365nm$
		150	175	-		$V_R=0V, \lambda=405nm$
		200	215	-		$V_R=0V, \lambda=436nm$
Dark current	I_D	-	0.5	5	nA	$V_R=5V$
Terminal capacitance	C_t	-	300	500	pF	$V_R=0V, f=1MHz$

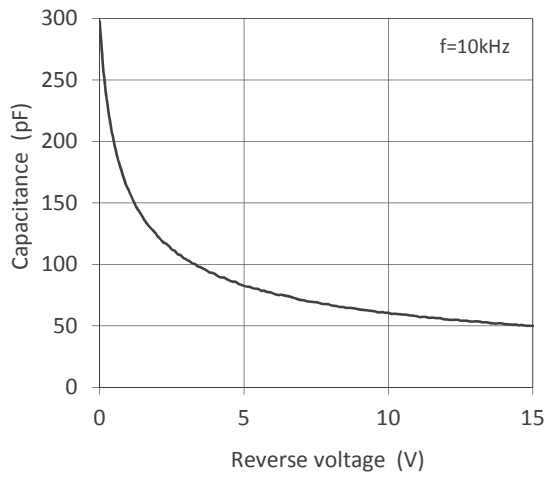
Spectral Responsivity



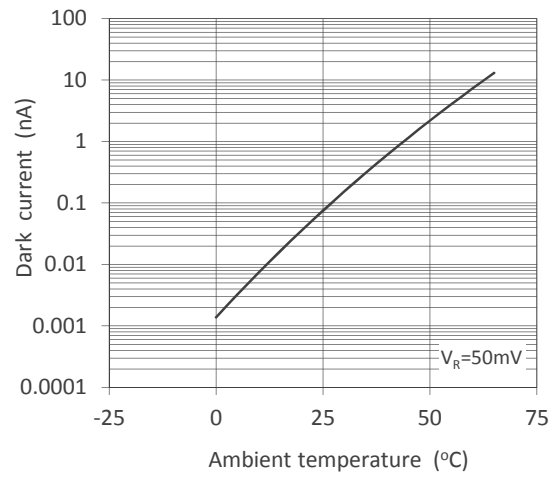
Dark Current - Reverse Voltage



Capacitance - Reverse Voltage



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



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