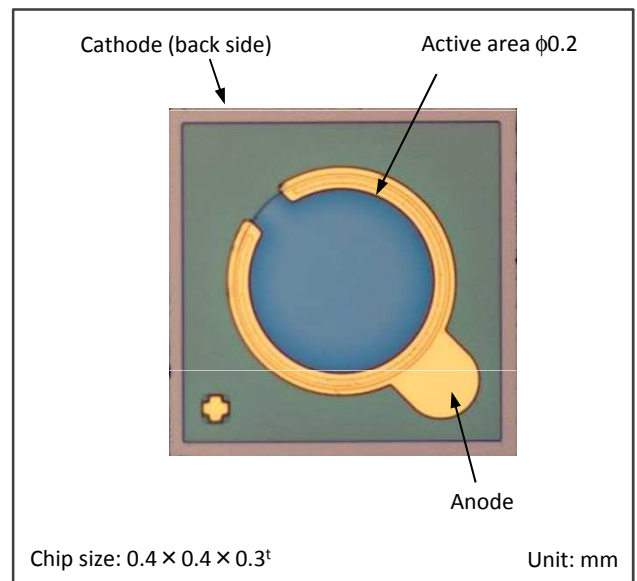


Features

- Large detectable area
- Low dark current
- High speed

Applications

- Optical interconnection



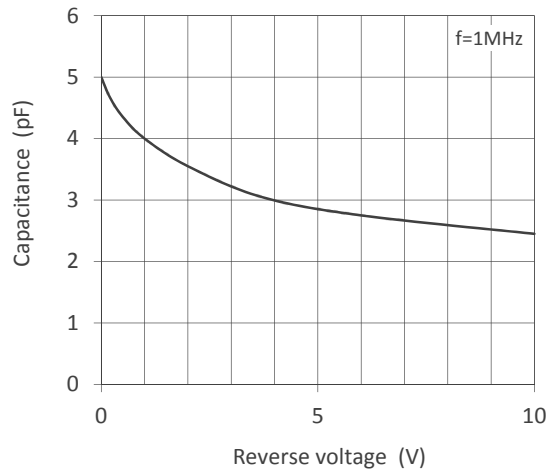
Absolute Maximum Ratings

Parameter	Symbol	Value	Unit	Note
Reverse voltage	V_R	20	V	
Maximum optical power input	P_{imax}	20	mW	
Forward current	I_F	10	mA	
Operating temperature	T_{opr}	-40 to +85	°C	Avoid dew condensation
Storage temperature	T_{stg}	-50 to +125	°C	Avoid dew condensation

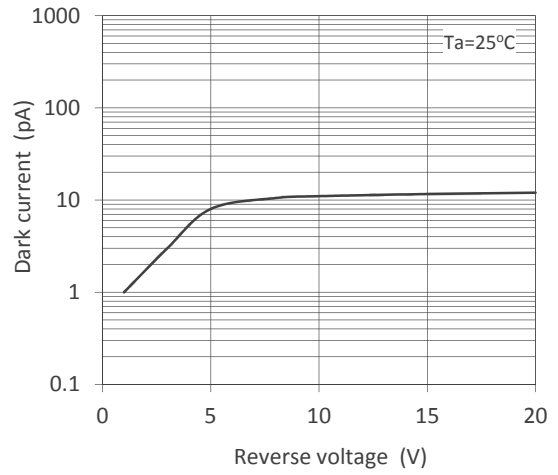
Electrical and Optical Characteristics (Ta=25°C unless otherwise noted)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Active diameter	D	200			μm	
Bandwidth	BW	-	1.0	-	GHz	$V_R=2V, R_L=50\Omega$
Responsivity	R	-	0.6	-	A/W	$V_R=2V, \lambda=850nm$
Dark current	I_D	-	2.5	-	pA	$V_R=2V$
Chip capacitance	C_{chip}	-	3.5	-	pF	$V_R=2V, f=1MHz$

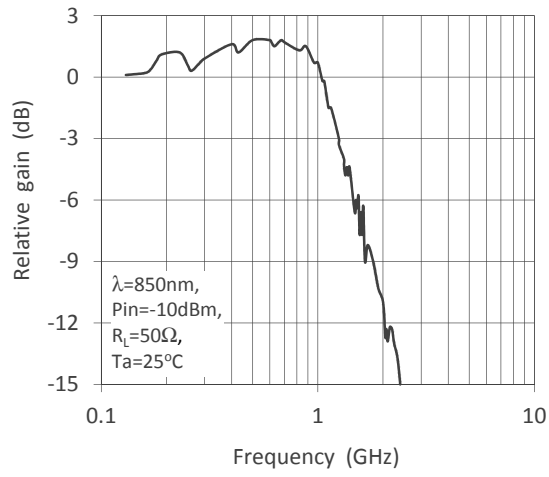
Capacitance - Reverse Voltage



Dark Current - Reverse Voltage



Frequency Response



- 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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