

Si Photodiodes

KPD1203H

Characteristics

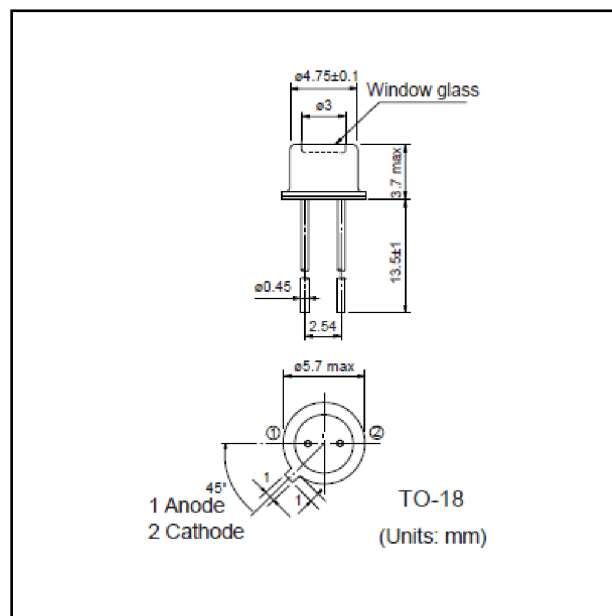
- Hermetic seal type for high reliability uses
- Wide operating temperature
- Glass window

Applications

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

Package

- TO-CAN

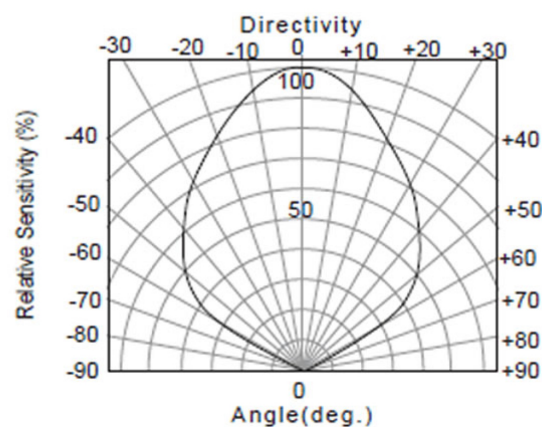
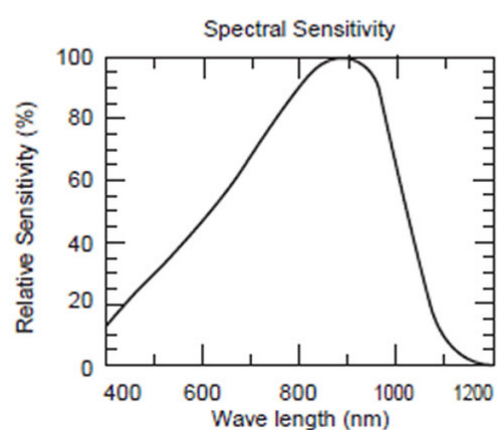
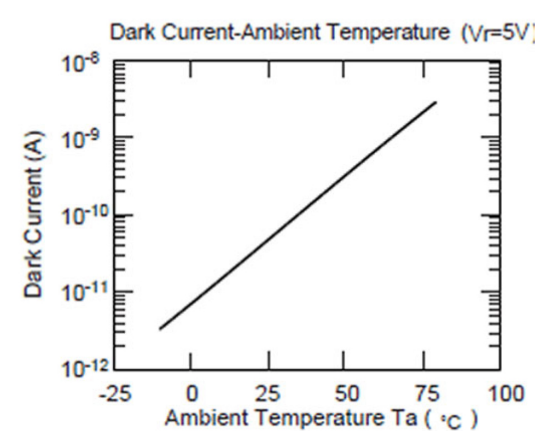
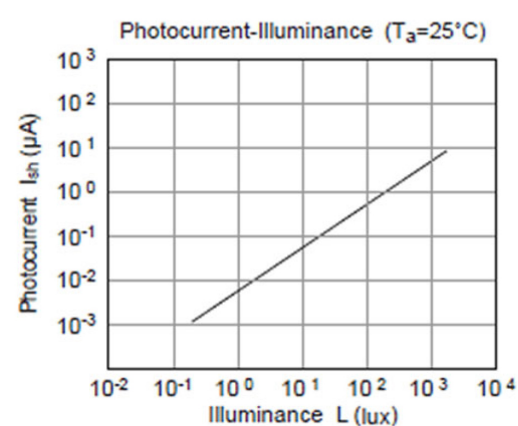
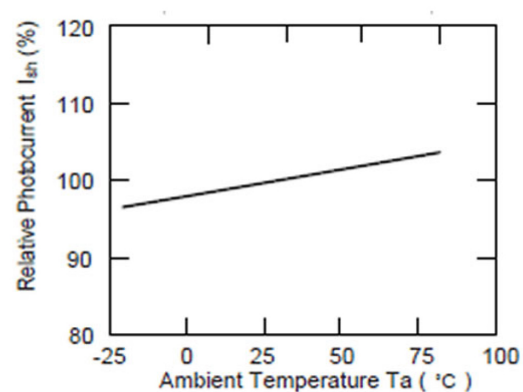
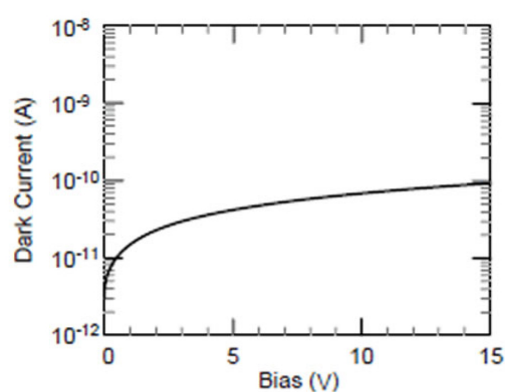


Absolute Maximum Ratings

Parameter	Symbol	Value	Unit	Conditions
Reverse voltage	V_R	15	V	-
			null	
Reverse Current	I_R	0.5	mA	-
			null	
Forward current	I_F	10	mA	-
			null	
Operating temperature	T_{opr}	-40 to +125		Avoid dew condensation
Storage temperature	T_{stg}	-55 to +150		Avoid dew condensation

Electrical and Optical characteristics

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Active area	S	-	0.92x0.92	-	mm ²	-
					null	
Sensitive wavelength		400	880(λ_p)	1100	nm	λ_p =Peak wavelength
					null	
Open circuit voltage	V_{op}	-	400	-	mV	1000lx @2856k
Short Circuit Current	I_{sh}	-	8	-	μ A	1000lx @2856k
Dark current	I_D	-	-	1	nA	$V_R=5V$
					null	
Terminal capacitance	C_t	-	50	-	pF	$V_R=0V$ f=1MHz
					null	
Half angle	2	-	100	-	deg.	-



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