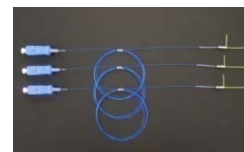


Mini Can InGaAs PD Pigtail



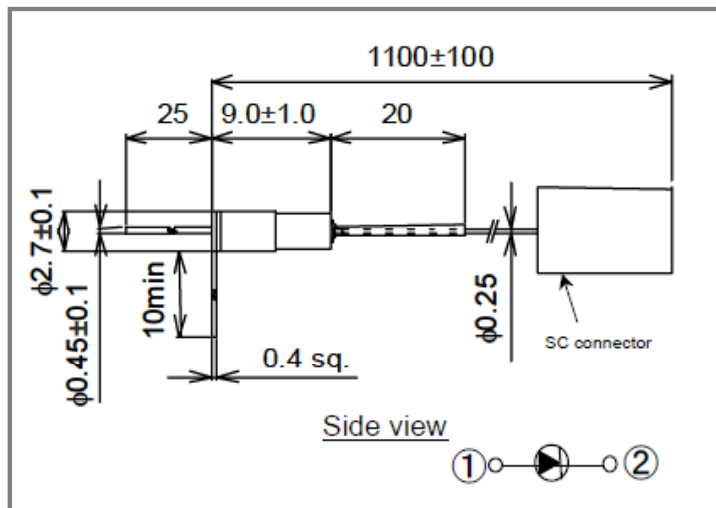
Features

- High density packaging of multiple PD channels
- Low capacitance and high speed with a PIN structure
- Low dark current
- High reliability

Applications

- Optical power monitor for WDM
- DWDM system
- Digital optical communication

Dimensions (unit: mm)



Specifications

Absolute Maximum Ratings

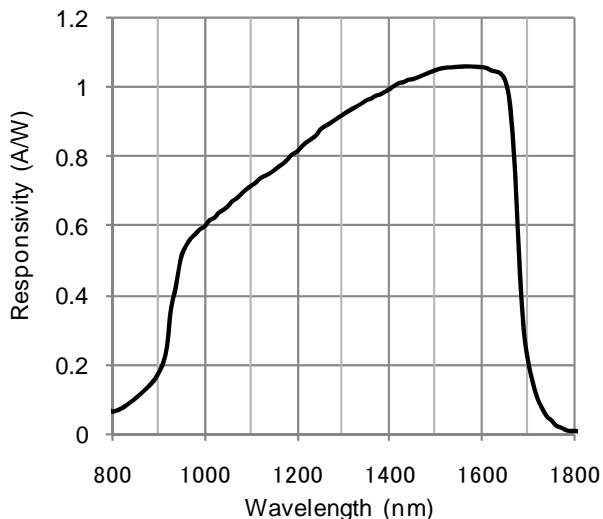
Parameter	Symbol	Value	Unit
Reverse voltage	V_R	20	V
Maximum optical power input	$P_{i\max}$	30	mW
Forward current	I_F	50	mA
Operating temperature	T_{opr}	-40 to +85	°C
Storage temperature	T_{stg}	-40 to +85	°C

Electrical and Optical characteristics ($T_a=25^\circ\text{C}$ unless otherwise noted)

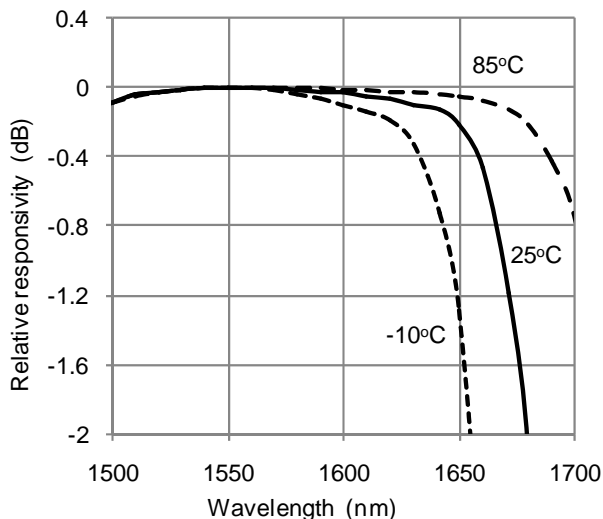
Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Active diameter	D	300			μm	
Bandwidth	BW	400	600		MHz	$P_i=-10\text{dBm}$, small signal modulation, $V_R=5\text{V}$
Responsivity	R	0.8	0.9		A/W	$\lambda=1310\text{nm}$, $V_R=5\text{V}$
		0.9	1.0			$\lambda=1550\text{nm}$, $V_R=5\text{V}$
Dark current	I_D		100	600	pA	$V_R=5\text{V}$
Total capacitance	C_t		4.0	6.0	pF	$V_R=5\text{V}$, $f=1\text{MHz}$
Responsivity uniformity	ΔR			0.5	dB	$\lambda=1530\text{-}1610\text{nm}$ $T_{opr}=-10\text{ to }+85^\circ\text{C}$

Specifications are subject to change without notice.

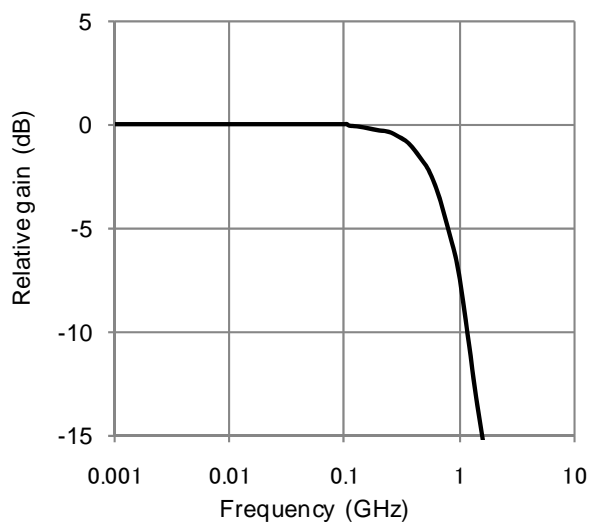
Spectral Responsivity



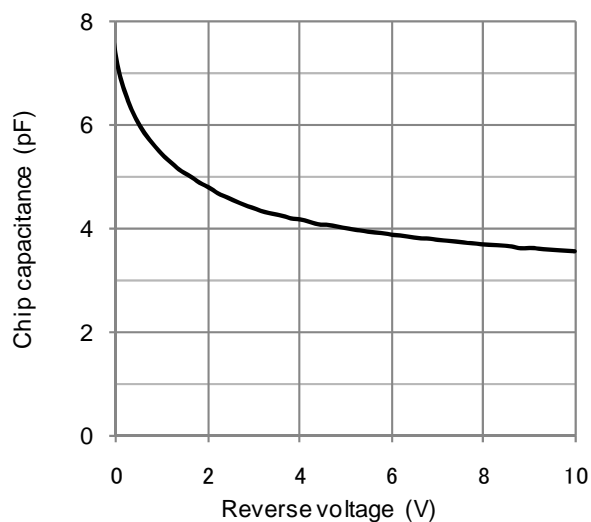
Uniformity of spectral responsivity



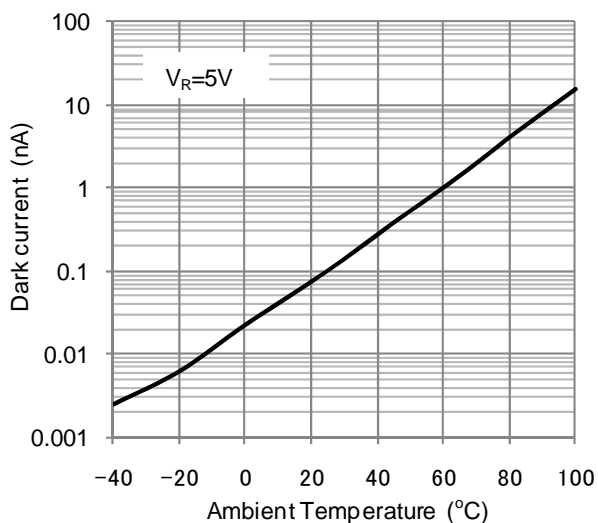
Frequency response



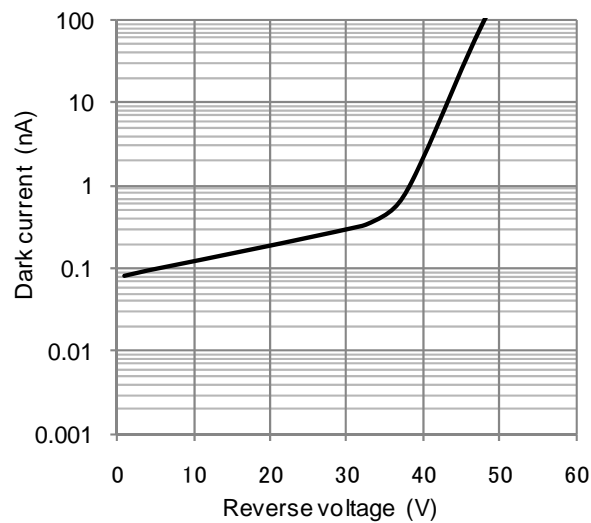
C-V characteristics



Dark current - ambient temperature



Dark current - reverse voltage



Specifications are subject to change without notice.

Contacts:

www.kyosemi.co.jp / info@kyosemi.co.jp

Kansai Sales Office: 949-2 Ebisu-cho, Fushimi-ku, Kyoto, 612-8201 Japan Tel: +81 75 605 7311 Fax: +81 75 605 7312 (Overseas Sales Dept.)

Tokyo Sales Office: 24th Sky Building, 2nd Floor, 1-34-3 Shinjuku, Shinjuku-ku, Tokyo 160-0022 Japan Tel: +81 3 5312 5360 Fax: +81 3 5312 5367

Eniwa Operation: 385-31 Toiso, Eniwa-shi, Hokkaido 061-1405 Japan Tel: +81 123 34 3111 Fax: +81 123 34 2110

Kyosemi Opto America Corp: 3003 Bunker Hill Lane, Suite 102, Santa Clara, CA 95054 USA Tel: +1 408 492 1486 Fax: +1 408 492 9843