

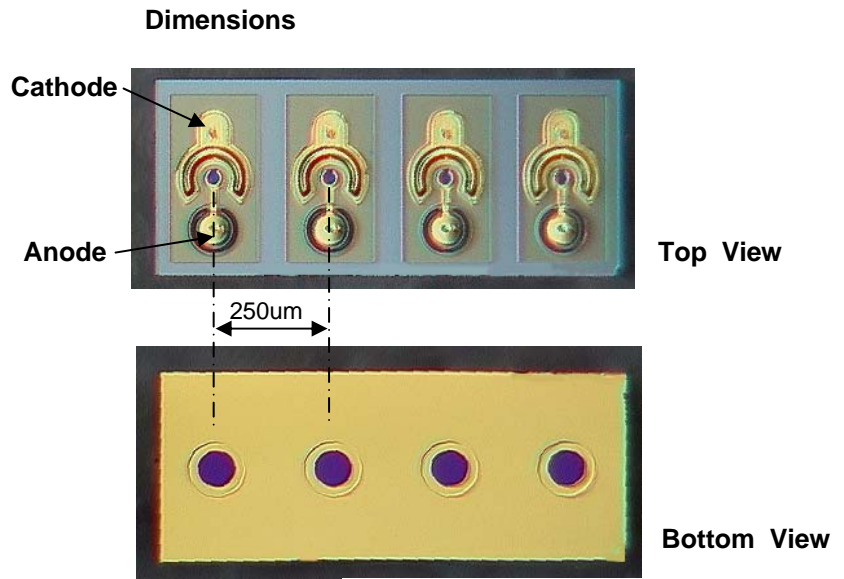
1x4 InGaAs 10G PD

Features

- Low dark current
- High speed
- Back side illuminated

Applications

- Optical interconnection
- 10G Ethernet/Fibre channel



Specifications

Size:0.42 × 1.00 × 0.15^t (mm)

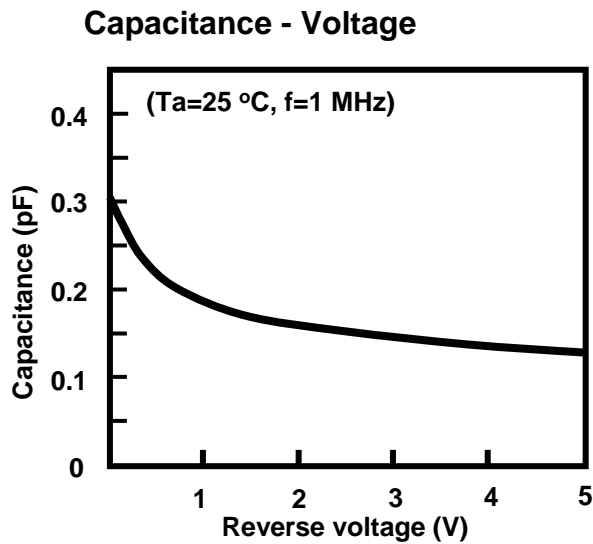
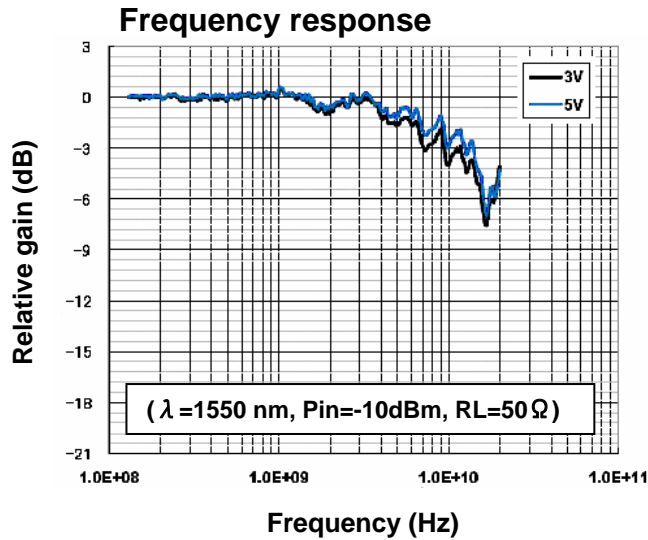
Absolute Maximum Ratings (Ta=25°C unless otherwise noted)

Parameter	Symbol	Value	Unit
Reverse voltage	V_R	15	V
Maximum optical power input	P_{max}	5	mW
Forward current	I_F	10	mA
Operating temperature	T_{opr}	-40 to +85	°C
Storage temperature	T_{stg}	-50 to +125	°C

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

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Active diameter	D	45			μm	
Bandwidth	BW		10		GHz	$R_L=50\text{ohm}$, $V_R=5\text{V}$
Responsivity	R	0.8	0.95		A/W	$V_R=5\text{V}$, $\lambda=1550\text{nm}$
Dark current	I_D		30	200	μA	$V_R=5\text{V}$
Total capacitance	C		0.15		pF	$V_R=5\text{V}$, $f=1\text{MHz}$

Specifications are subject to change without notice.



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