

900-2600nm InGaAs PD TO-CAN

P/N:YBPD1000V1TO_1P4A



❖ Features

- Wide dynamic range
- High Responsibility
- Low Dark Current
- Standard To-46 package

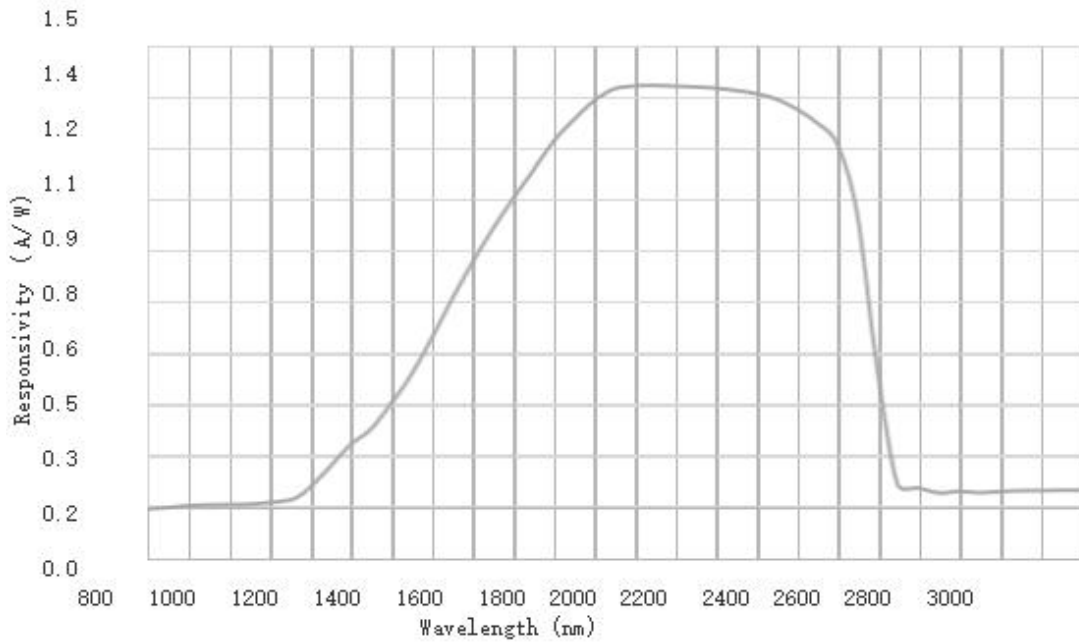
❖ Absolute Maximum Ratings (Tc=25C)

Parameter	Symbol	Min.	Max.	Unit
Operation Temperature Range	TOP	--40	85	°C
Storage Temperature Range	Tstg	--40	85	°C
Reverse Voltage	VR		- 1	V
Soldering temperature(<10sec)	Stemp		260	°C

❖ Optical and Electrical Characteristics (Tc=25C)

Parameter	Symbol	Test Conditions	Min.	Typ.	Max.	Unit
Active Area	Φ	—	—	1000	—	μm
Optical Wavelength Range	λ	—	900	—	2600	nm
Dark Current	Id	VR = -0.2V , Pin=0 μW	—	10	30	μA
		VR = -0.5V , Pin=0 μW	—	15	45	
		VR = -1.0V , Pin=0 μW	—	35	100	
Responsivity	Resp	VR = -0.2V , $\lambda=1550\text{nm}$	0.7	—	—	A/W
Capacitance	Ct	VR = -1.0V , f=1MHz	—	240	260	pF

❖ Spectral response @ $T_c=22\pm3^\circ\text{C}$



❖ Outline Drawings (in mm):

