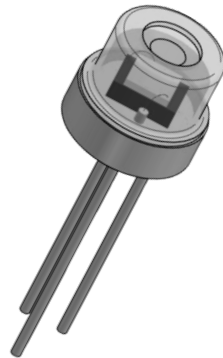


規格書
InGaAs PIN Photodiode Chip



應用 Application

監控 Monitoring
光纖光學儀器 Fiber-optic Instruments
數據通訊 Data Communications

規格 Specification

T_C=25° C

Parameter	MIN	TYP	MAX	Test Condition
Response range(λ)	900nm		1650nm	
Responsivity(R)	0.85A/W	0.90A/W		$\lambda=1310\text{nm}$
		0.95A/W		$\lambda=1550\text{nm}$
Dark Current(I _D)		1.5nA	5.0nA	V _R =-5V
Capacitance(C)		13 pF	20 pF	V _R =-5V, f=1MHz
Bandwidth(Bw)		40MHz		V=0V, R _L =50 Ω

Parameter	Symbol	Value	Unit
Reverse Voltage	V _{Rmax}	20	V
Operating Temp.	T _{opr}	-40 ~ 85	° C
Storage Temp.	T _{stg}	-55 ~ 125	° C

尺寸 Dimension Parameter

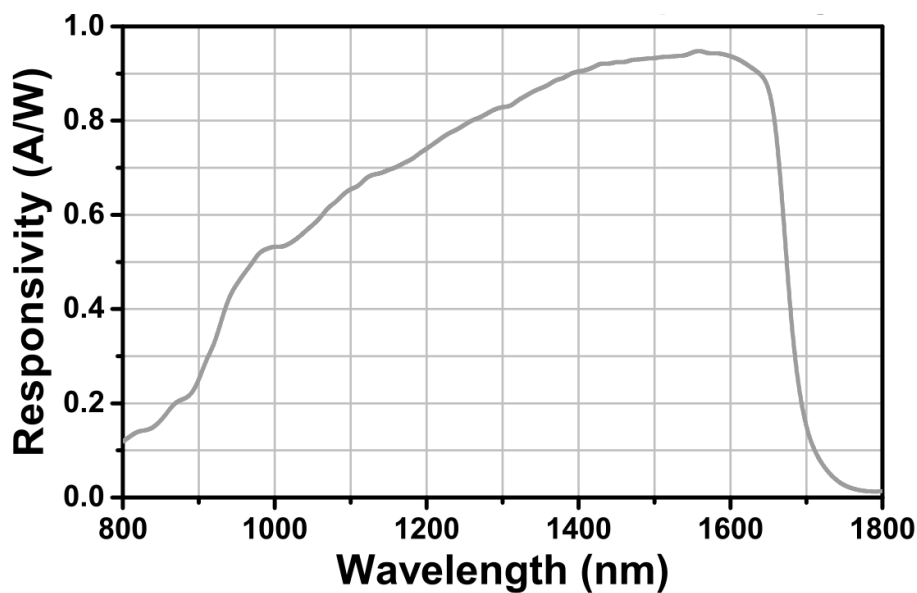
Parameter	Symbol	Value	Unit
Active area diameter	D	1000 $\pm$ 10	um
Die size	-	1150x1250($\pm$ 30)	um
Die thickness	t	200 $\pm$ 20	um

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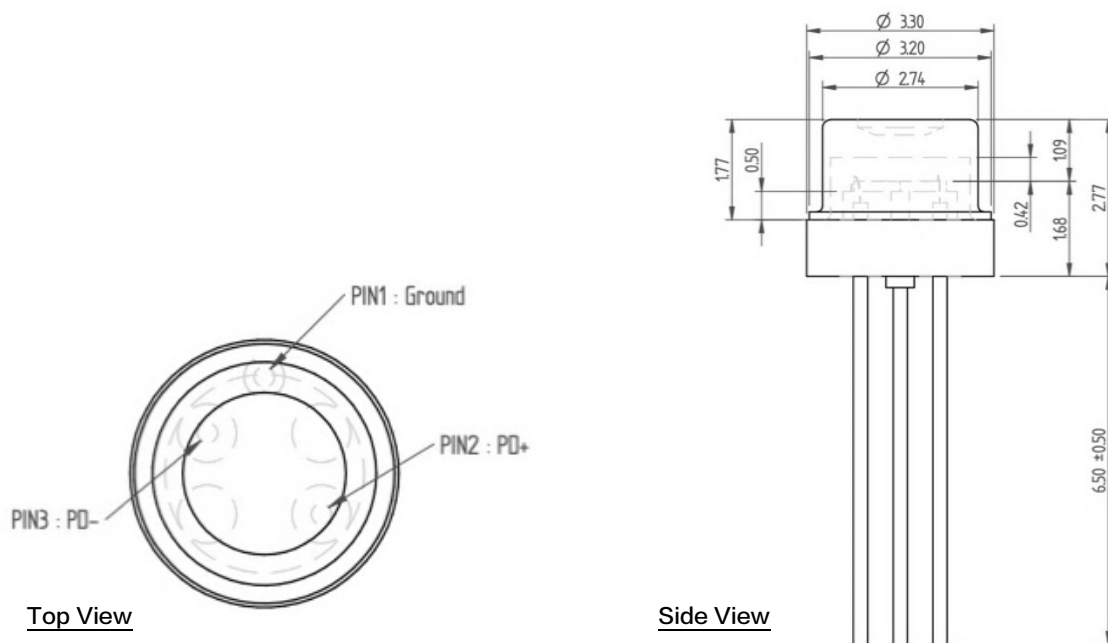
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※Specifications Subject to Change without Notice.

光譜強度分佈 Spectral Intensity Distribution



外觀腳位圖 Drawing



使用注意事項 Precautions for use

該晶片容易受到 ESD 的損壞。在處理或測試 InGaAs 或 GaAs PIN/APD 晶片時，必須使用帶接地、抗靜電墊和其他標準 ESD 保護設備。

This chip is susceptible to damage as a result of ESD. Use of ground straps, antistatic mats, and other standard ESD protective equipment is requisite when handling or testing an InGaAs or GaAs PIN/APD chip.

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