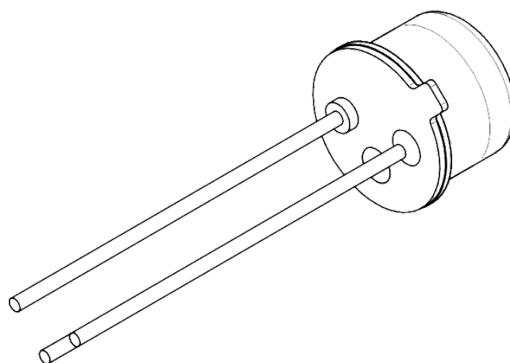


規格書

InGaAs/InP 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

$T_c=25^{\circ}C$

Parameter	MIN	TYP	MAX	Test Condition
Response range(λ)	900nm		1650nm	
Responsivity(R)	0.85A/W	0.90A/W		$\lambda=1310nm$
		0.95A/W		$\lambda=1550nm$
Dark Current(I_D)		1.5nA	5.0nA	$V_R=-5V$
Capacitance(C)		50pF	80 pF	$V_R=-5V, f=1MHz$
Bandwidth(Bw)		40MHz		$V=0V, R_L=50\Omega$

Parameter	Symbol	Value	Unit
Reverse Voltage	V_{Rmax}	20	V
Operating Temp.	T_{opr}	-40 ~ 85	$^{\circ}C$
Storage Temp.	T_{stg}	-55 ~ 125	$^{\circ}C$

尺寸 Dimension Parameter

Parameter	Symbol	Value	Unit
Active area diameter	D	1000 ± 10	um
Bond pad diameter	-	120 ± 3	um
Die size	-	$1250\times 1250(\pm 30)$	um
Die thickness	t	180 ± 20	um

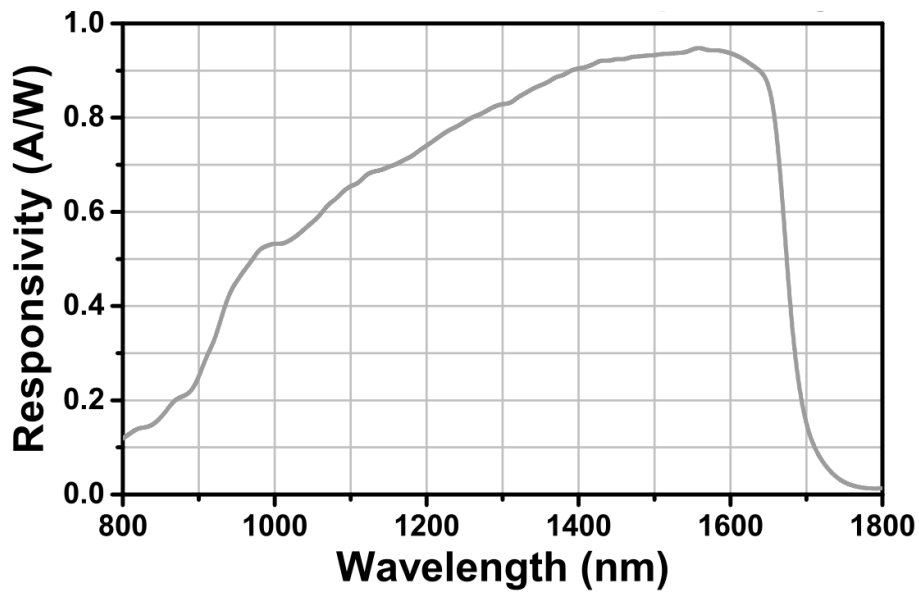
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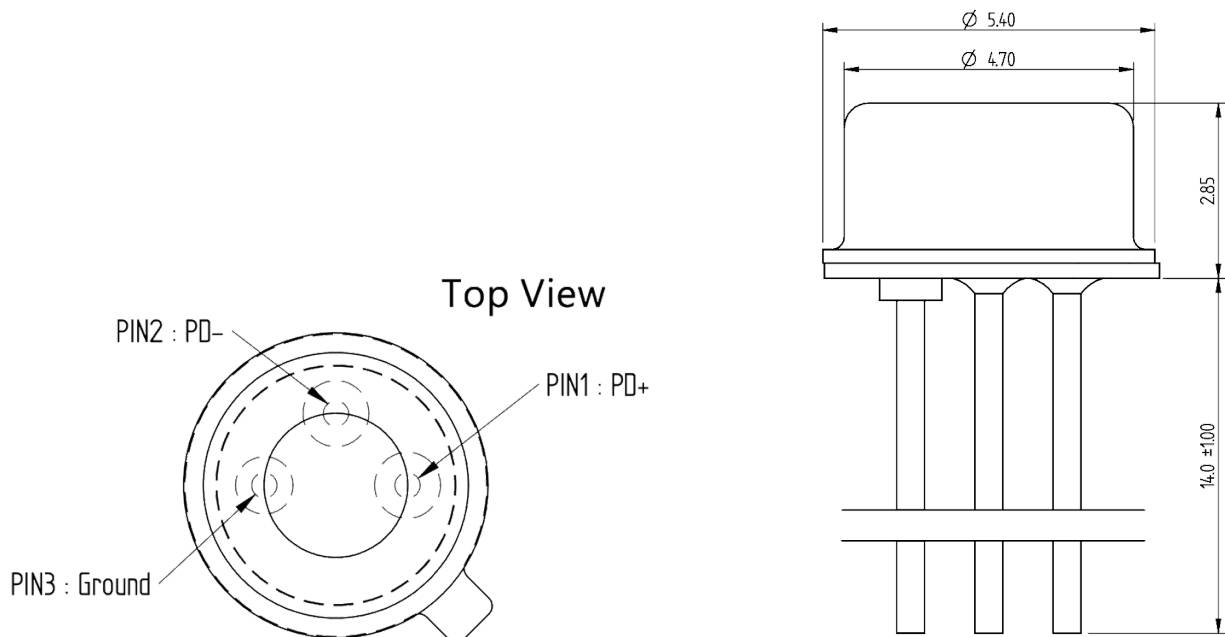
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※Specifications Subject to Change without Notice.

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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