



## 萊普士光電科技 矽偵測器

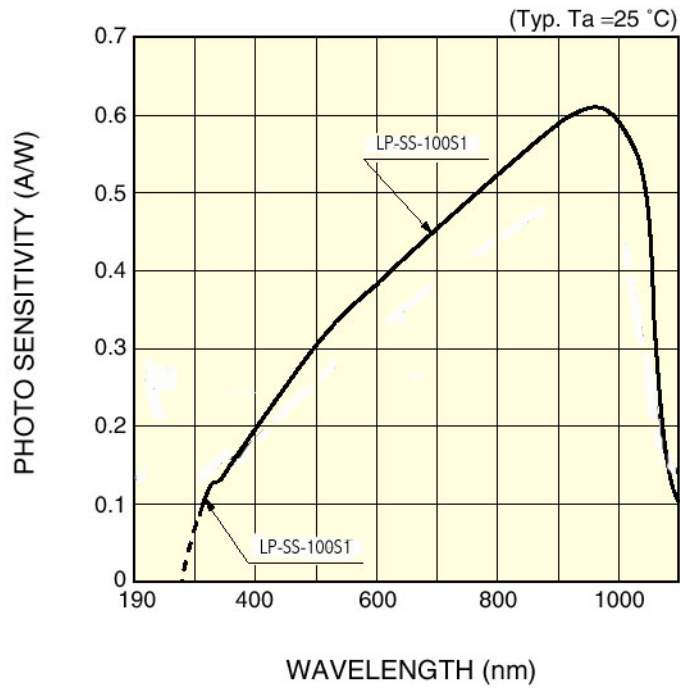
### Light Ports Inc. Silicon Detector

- 頻譜響應 320nm~1100nm , 從紫外光至紅外光區。
- 大受光面積 ( $\Phi=10\text{mm}$ ) , 響應度高。
- 極佳之響應線性度 (響應電流從 100pA~mA)。
- BNC 輸出接頭

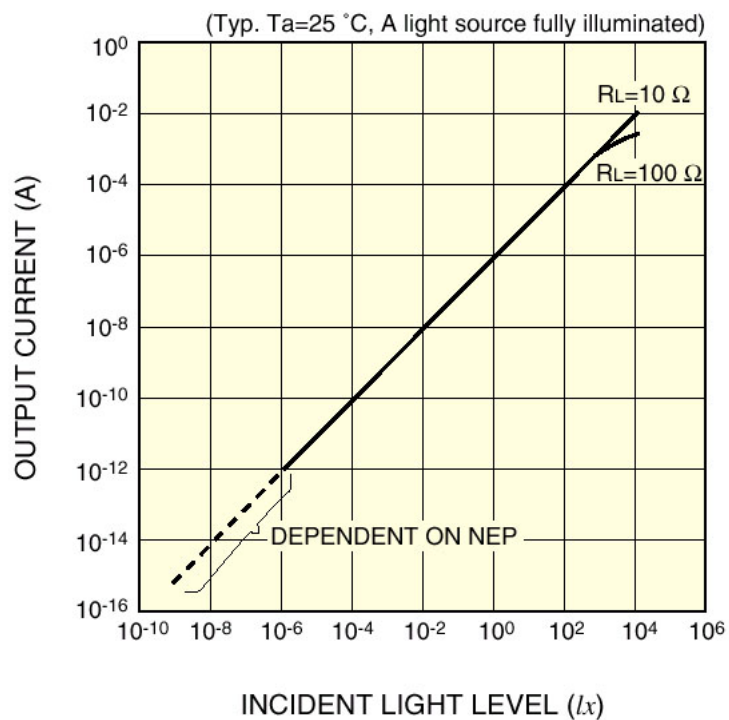
電氣及光學特性 : (T ambient=25 )

Items	Symbol	Specification			Unit
		Min.	Typical	Max.	
Spectral Response Range		320	~	1100	nm
Peak Sensitivity wavelength	$\lambda_P$		960		nm
Photo sensitivity at $\lambda_P$			0.62		A/W
Dark current with VR=10mV	$I_D$		200		pA
Temperature coefficient of $I_D$	$TCI_D$		1.15		Times /
Short circuit current under 100 lux illumination	$I_{SC}$	70	95		uA
Rise time, VR=0V, RL=1K $\Omega$	$T_r$		3		uS

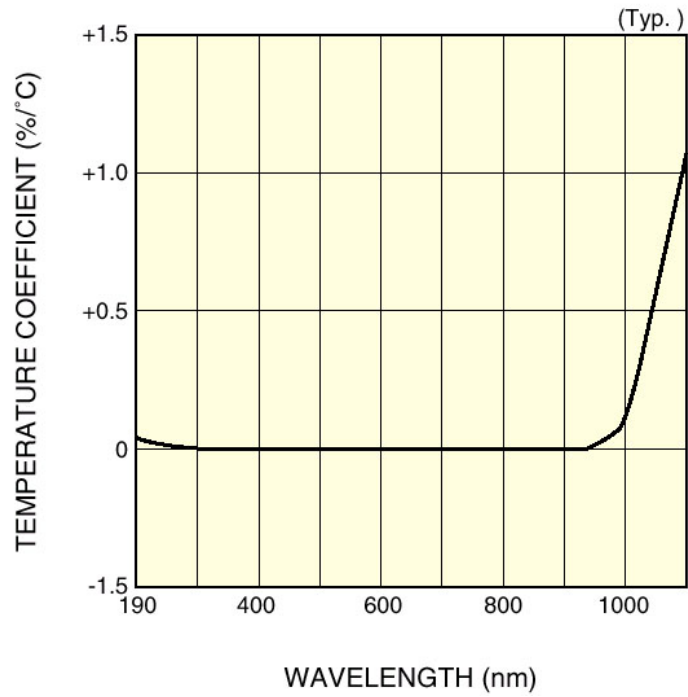
■ Spectral response



■ Photo sensitivity linearity

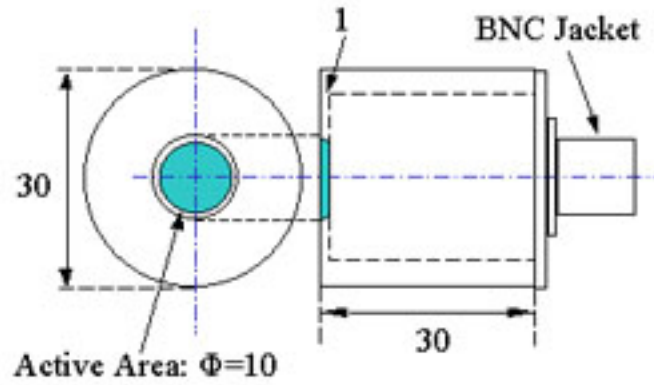


■ Photo sensitivity temperature characteristic



外觀尺寸:

LP-SS-100SA



LP-SS-100SB

