

## 880-2600nm High Speed Extended InGaAs Photodetector



### ● Product Description

ING-I2600LA1 series photoelectric detector is a photoelectric detector with wide wavelength response. Response wavelength range: 880-2600nm. Our detector has fast response speed and is widely used in the field of communication sensing.

### ● Part Number

C3A-I2600LA1

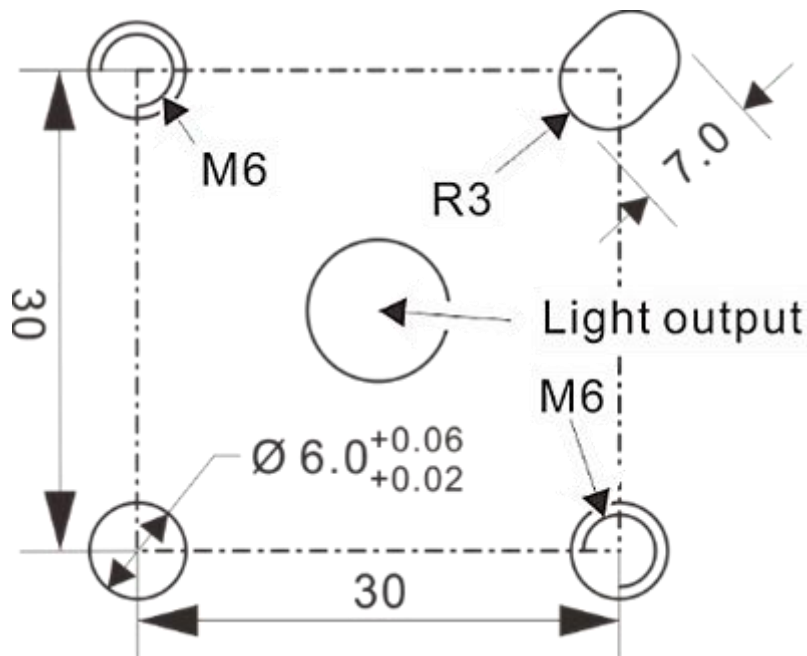
## ● Product features

Compact size、 4  $\phi 6\text{mm}$  through holes for coaxial mounting、 Light-tight and air-tight、 Multiple sensor options、 Switchable 20dB gain、 Wide power input:  $\pm 5$  to  $\pm 20\text{V}$

## ● Application area

Q-modulated laser monitoring、 Mode-locked laser output monitoring 、 Weak visible light detector

## ● Dimensional Drawing

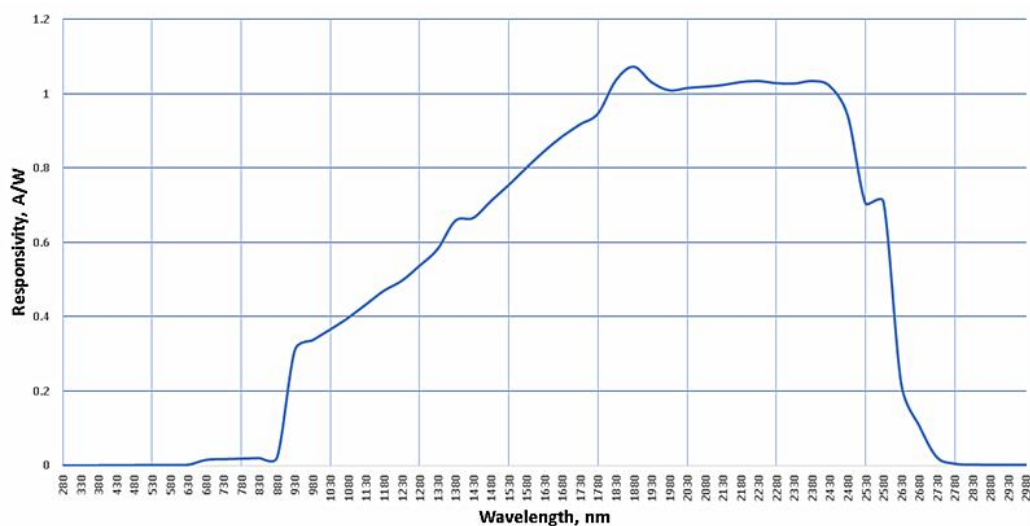


## Photoelectric detector ING-12600LA1 parameters

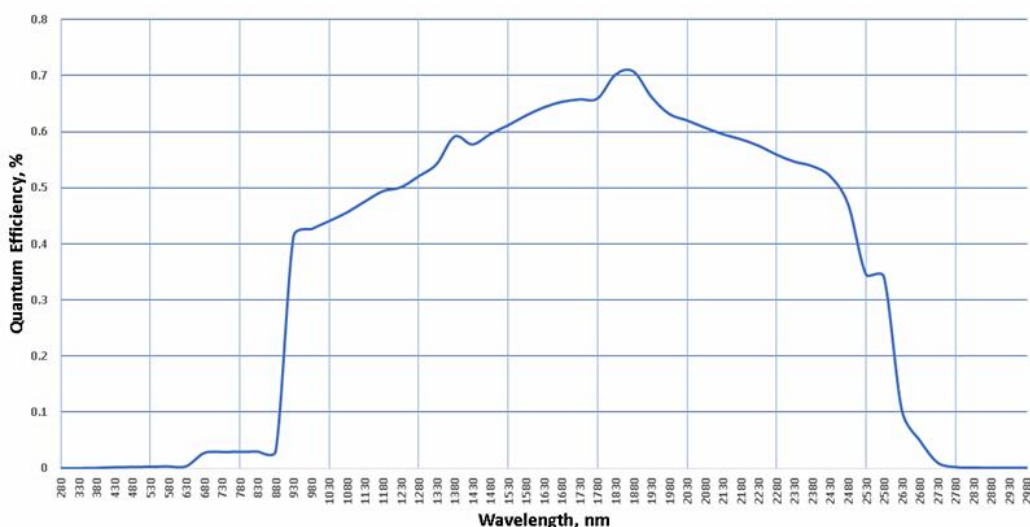
Properties	Value
Photodetector	Extended InGaAS Indium Gallium Arsenide Detector
Photosensitive surface size	$\Phi 1\text{mm}$
Optical window	Plane borosilicate glass
Response wavelength range	880-2600nm
Peak wavelength	1860nm
Sensitivity	0.85A/W @1310nm 0.95A/W @1550nm
Directivity	$\pm 20^\circ$
NEP	$6 \times 10^{-15} \text{ W/Hz}^{1/2}$

Operating bandwidth	3-5MHz
Transimpedance gain	50k V/ A @ 0dB Gain 500k V/ A @20dB Gain
Output voltage range	0~+3V (into Hi-Z) 0~+1.5V (into 50Ω)
Output impedance	50Ω
Input operating voltage	V+: +5 ~ +20V V- : -5 ~ -20V
Operating temperature	10~50 °C
Maximum pressure difference	±50kPa

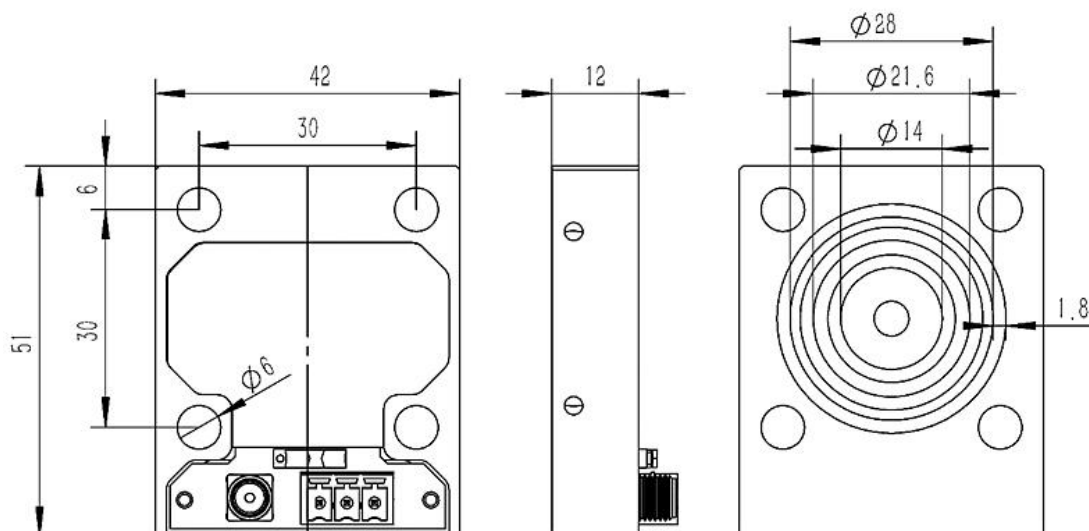
## Response spectrum



## Quantum efficiency graph

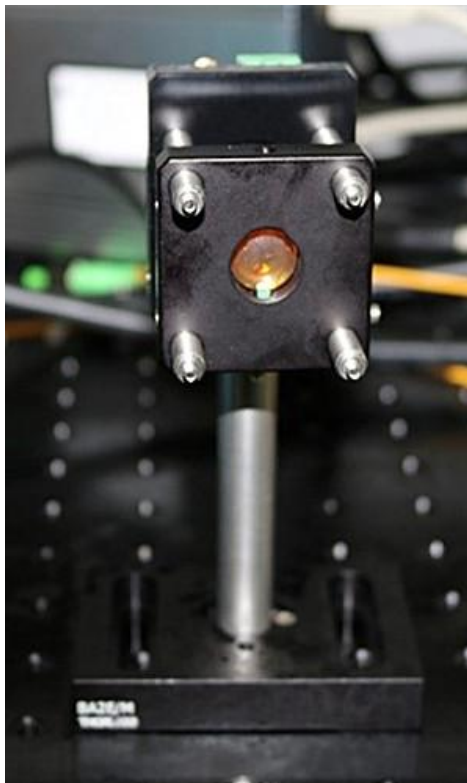
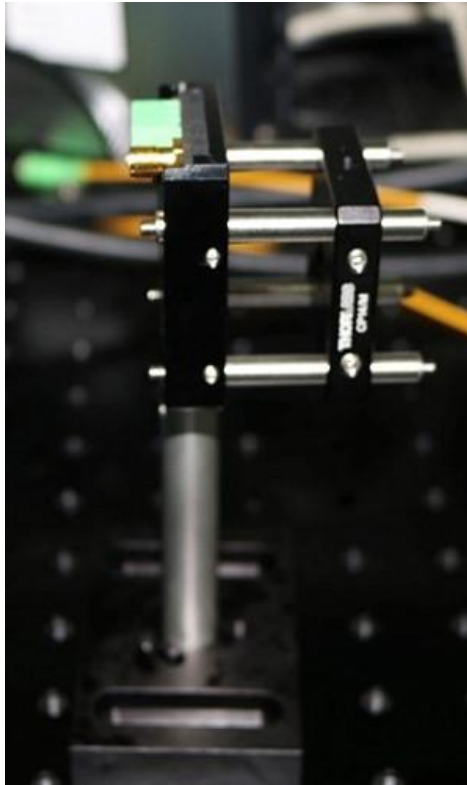


## Photodetector C3A-12600FA Dimensional drawing

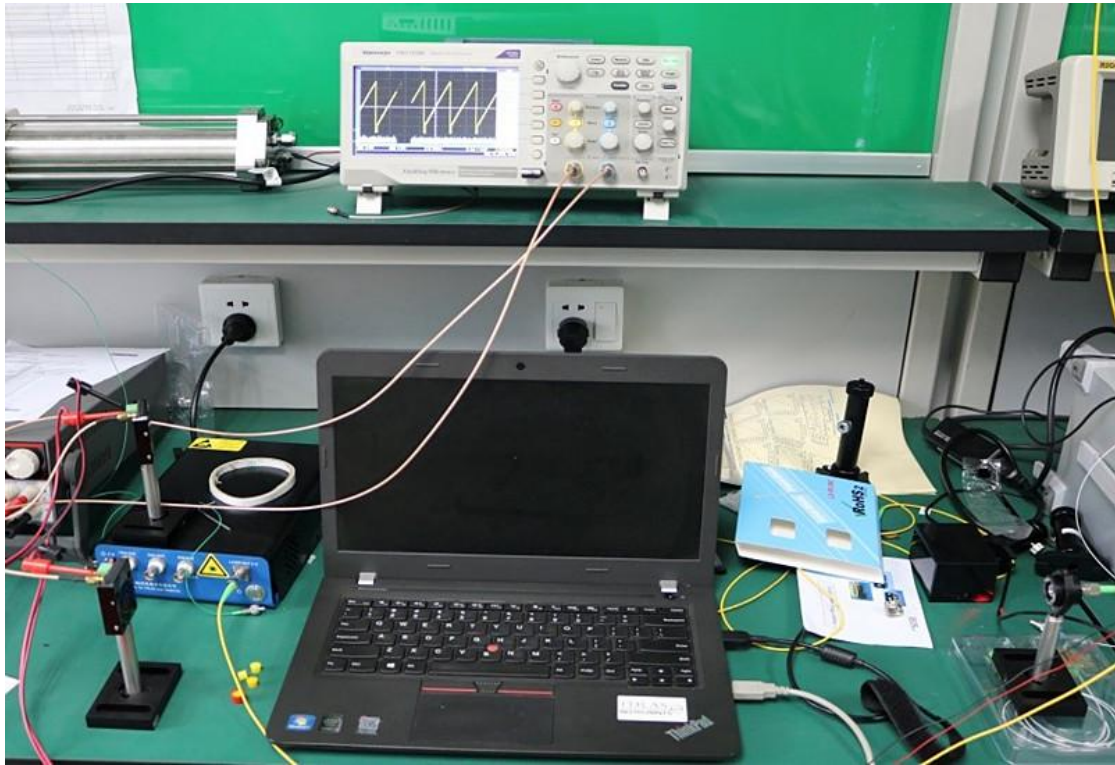


## Installation Example









Recommended mounting hole diameter:

Use the two guide rails to precisely position the sensor. Use four M6 screws to secure the position.