

# UV Photodetector

## Si-DET-Bd-Hs PHOTODETECTOR

Silicon-based biased high-speed photoelectric conversion device

- Broad spectrum response adaptation
- High-speed response performance
- Low-noise and stable output
- Multiple coupling methods
- High compatibility



One Platform Many Possibilities

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## Overview

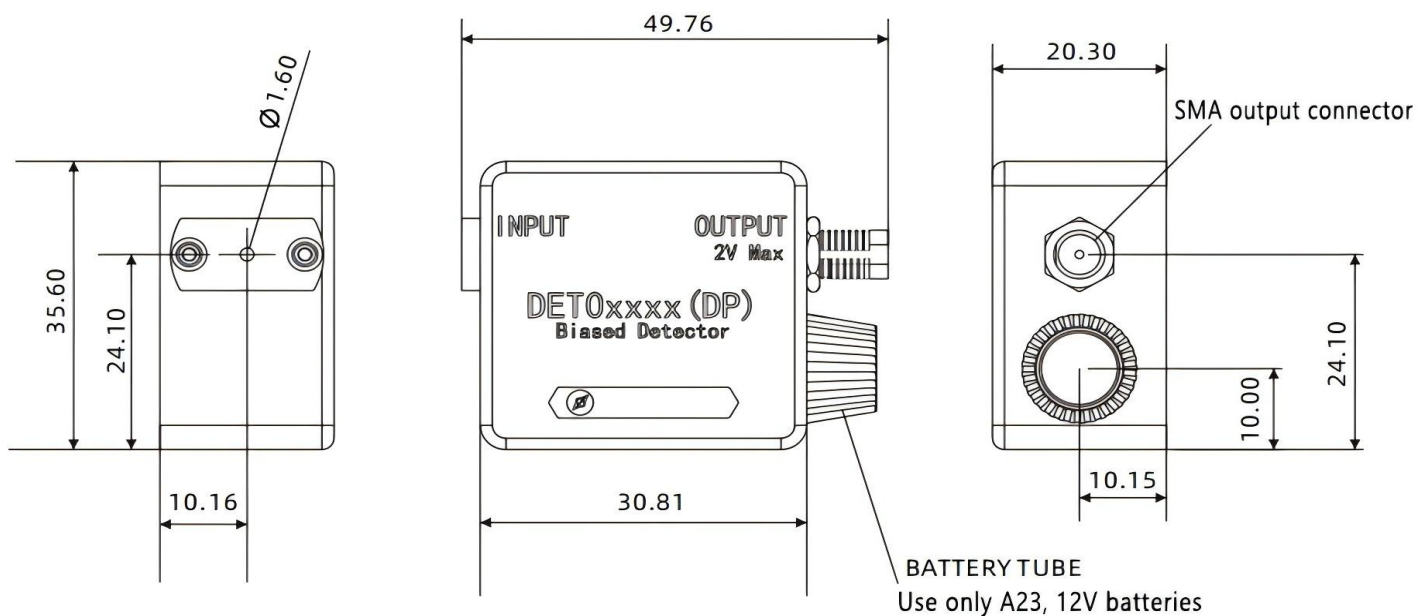
### Introduction:

This silicon detector has a photosensitive range of 400~1100nm, suitable for visible light and near-infrared light measurement. It is designed as a biased type, featuring extremely low noise, fast response, and no gain. With low cost, it is applicable for measuring the intensity-time waveform of high-speed laser pulses or luminescent events, boasting excellent performance and high cost-effectiveness. Comprehensive technical support and non-standard customization services are provided.

### Features:

- Silicon material, 400~1100nm, for visible light and infrared measurement
- Biased type, low noise, fast response, no gain
- Low cost, suitable for high-speed optical pulse waveform measurement
- Compatible with THORLABS equivalents
- Excellent performance, high cost-effectiveness, with full technical support

### Dimension:



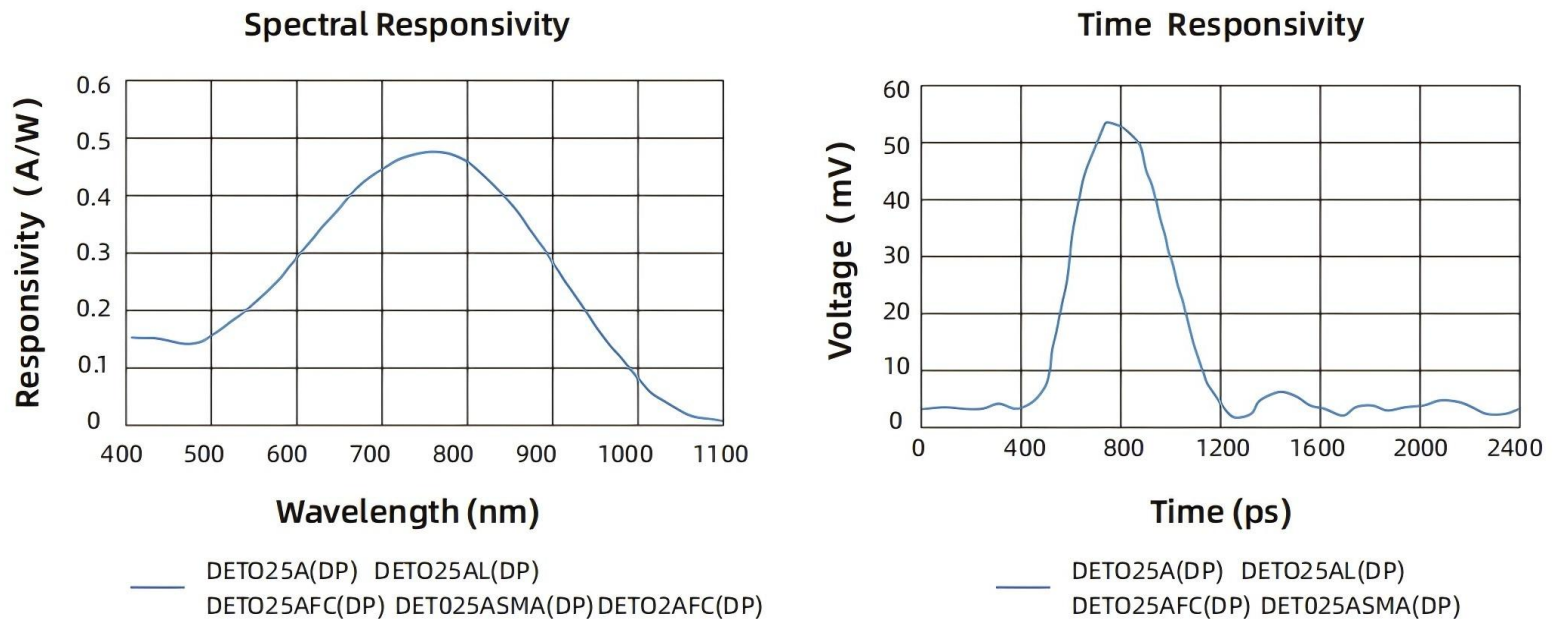
## Specifications

### Si-DET-Bd-Hs Series Specifications Sheet

Parameter Category	Same Parameter Content
Detector Material	Silicon (Si)
Product Type	Biased, high-speed photodetector
Spectral Response Range	400~1100nm, suitable for visible and near-infrared light measurement
Gain Characteristic	No gain
Operating Impedance	50
Power Supply Battery	A23, 12VDC, 40mAh
Signal Interface	SMA (DC coupling)
Mounting Interface	M4x1
Operating Temperature	0~40
Compatibility	Compatible with THORLABS equivalent products

## Responsivity

Responsivity Diagram of the Si-DET-Bd-Hs Series



## Service & Support

We are dedicated to delivering exceptional optoelectronic solutions to every client. From precision manufacturing and secure delivery to full-lifecycle technical support, we are here to ensure a seamless and reliable experience at every step.

### 1. Warranty Policy

#### Quality First, Worry-Free Operation

**Warranty Period:** We offer a **two-year** warranty service for all of our core optoelectronic products, effective from the date of shipment.

**Coverage:** We provide free repair or replacement services for malfunctions caused by material defects or workmanship errors under normal operating conditions.

**Rapid Response:** Upon receiving a warranty claim, we guarantee to initiate the assessment process within **24 hours** to minimize your equipment downtime.

### 2. Technical Support

#### Expert Team, Full-Process Guidance

**Technical Consultation:** Our team of senior optical engineers provides **24/7 online support** to assist with installation, commissioning, optical path alignment, and parameter optimization.

**Scheduled Maintenance:** We offer full-lifecycle maintenance recommendations, including firmware upgrades, optical component cleaning guidelines, and precision calibration services.

**Training Services:** We provide customized remote or on-site operational and safety training to ensure your team can operate the equipment efficiently and safely.

### 3. Logistics & Delivery

#### Precision Packaging, Global Reach

**Professional Packaging:** Given the fragile nature of optical instruments, we utilize industrial-grade shockproof, anti-static, and moisture-proof vacuum packaging to ensure zero damage during transit.

**Logistics Partners:** We partner with top-tier global logistics providers (**DHL / FedEx / UPS / SF Express**) to offer reliable shipping with real-time tracking.

**Shipping Insurance:** All shipments are fully insured to eliminate logistics risks.

### 4. Compliance & Certification


#### Strict Standards, Total Compliance

**Quality Certification:** Our manufacturing process is **ISO 9001 certified**, and our products comply with international standards such as **CE** and **RoHS**.

**Export Compliance:** "Committed to environmental responsibility, all our products comply with **RoHS 2.0** and **REACH** standards, ensuring safety and global compliance."

## Explore Series

Model	Rise/Fall Time (@50 )	3dB Bandwidth (@50 )	Sensitive Area Size	Input Coupling Method
DET025A(DP)	150ps/150ps	2GHz	250um	Window
DET025AL(DP)	150ps/150ps	2GHz	250um	Ball Lens
DET025AFC(DP)	150ps/150ps	2GHz	250um	FC/PC Fiber Socket
DET025ASMA(DP)	150ps/150ps	2GHz	250um	FC/PC Fiber Socket
DET02AFC(DP)	1ns/1ns	1GHz	250um	FC/PC Fiber Socket

 Get in touch with our team to explore configurations, request a quote, or learn more about customized solutions tailored to your needs.

Let us help you move science forward—faster and smarter.

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