

# DAS PIN DETECTOR

## 1. Product Description

DAS PIN Detector was widely used for distributed vibration sensing system. DAS Detector integrated EDFA and PD circuit. The internal control circuit have multi-stage amplifier and noise control technology, this improve the SNR and could output the high-performance signal to high speed ADC. The detector power supply is DC+5V, generate the APD biasing voltage, high integration and easy to operate. Different types of DAS detector can be provided to satisfy different customer 's request.



## 2. Features

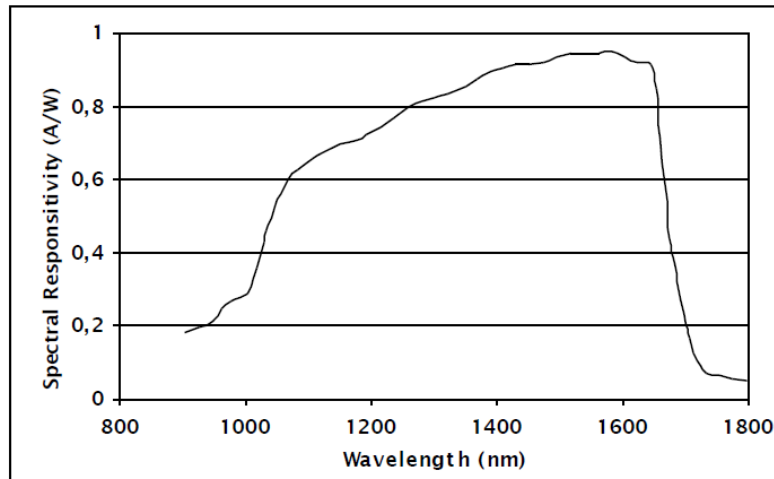
- High response speed
- Low noise output
- 10~60°C; working temperature
- Two channel output
- High stability and reliability

## 3. Applications

- DTS fiber sensing
- Fiber communication
- Lab research

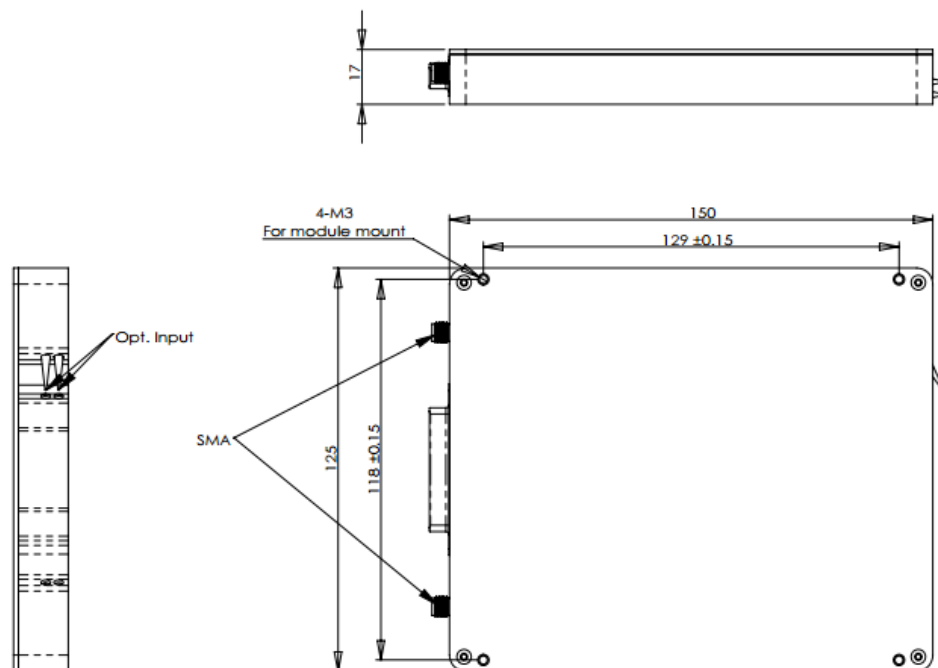
## 4. Optical property indexes

Optical Input	SMF28
Supply Voltage	5V DC
Power Consumption	10W
Operating Temperature	-10~60 °C
Spectral Range	1000-1650 nm
Fiber Connector	FC/APC
Frequency Range	200MHz
3dB-Bandwidth	150MHz
Gain	4x104 V/W
Output Connector	SMA
Output Impedance	50 Ω



## 5. Mechanical structure

Mechanical	Parameters	Description	Unit	Comment
Module	Dimension	150x125x17	mm	Optional
	Power	DC +5V/GND		Typinal
	Fiber Connector	FC/APC		
	Communication	RS-232		Optional



## 6. Electrical Properties

Mechanical	Parameters	Description	Unit	Comment
Module	Power supply	DC +5V/GND		
	Consumption	<10	W	RM

## 7. Communication type

Mechanical	Parameters	Description	Comment
Module	Communication	DB-25Pin	Option
	Protocol	RS232	
	GUI	Control parameters	