

InGaAs Ultra Low Noise PIN Detector Module

400M



- **Product Description**

The high-speed low-noise InGaAs Detector Module, a low-noise broadband transimpedance amplifier and an ultra-low noise isolation power supply.

The output signal is not affected by the external power supply and has the characteristics of high gain, high sensitivity, high bandwidth and low noise

- **Product features**

Low noise、 High gain、 High bandwidth、 Compact structure、 Built-in low



noise isolated power supply

● Part Number

MP-CPD-M-I-400-F/S-D/A

● Application area

Distributed fiber optic sensing、 Laser wind radar、 Optical coherence tomography、 Spectral measurement、 Nanosecond optical pulse detection、 Fiber optic communication、 Other scientific research applications

● Core parameters

| Wavelength | Bandwidth | Responsivity |
|------------|-----------|----------------|
| 800-1700nm | 400MHz | 0.95A/W@1550nm |

● General Parameters

Parameters

| | | | | | | | | | | | | | | |
|------------|----------|------|------|------|------|------|------|----|------|------|----|------|----|----|
| Material | InGaAs | | | | | | | | | | | | | |
| Wavelength | 800~1700 | | | | | | | | | | | | | nm |
| Bandwidth | 100M | 200M | 300M | 400M | 500M | 600M | 800M | 1G | 1.2G | 1.5G | 2G | 2.5G | 5G | Hz |

| | | | |
|---------------|------------------------------------|------------------|----|
| Optical input | FC/APC (Free space light optional) | | |
| RF output | SMA | | |
| Dimensions | 65*50*20 | 75* 55* 25 | mm |

Instructions for use

1. The module has a power supply voltage of 5V and a maximum power supply current of 0.25A.
2. Input is an optical input interface; RF is a radio frequency output interface.
3. Before connecting to the input terminal, please ensure that the end surface is clean to prevent dirt from affecting the measurement results.