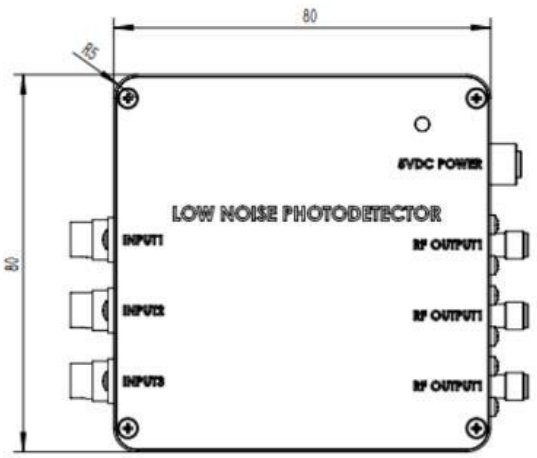
800-1700nm InGaAs Three-Channel Photodetector 40MHz



Product Description

40MHz Three-Channel Low Noise Photodetector

Product features

Low noise、 High bandwidth、 High gain、 Compact structure

Part Number

MP-MPD-M-I-40-3-F-D

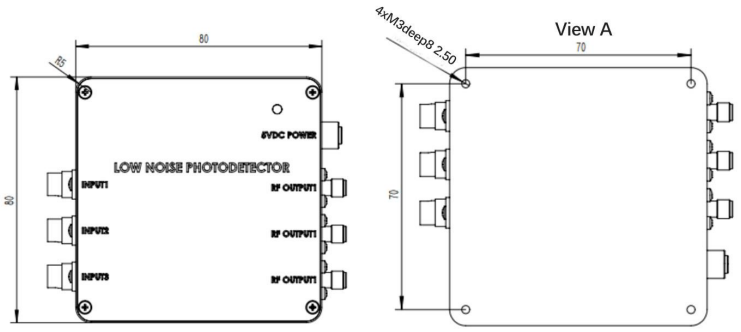
Application area

Distributed optical fiber sensing (ψ -OTDR/ C-OTDR, DAS/DVS, BOTDA/BOTDR)、 Laser wind radar、 Optical coherence tomography、 Spectral measurement / ns-level optical pulse detection、 Other scientific research applications

Core parameters

Wavelength	Bandwidth	Detector Responsivity
800-1700nm	40MHz	0.95A/W@1550nm

Dimension Drawing



General Parameters

Detector Type	InGaAs	Unit
Wavelength	800~ 1700	nm
Bandwidth	40M	Hz
Detector Responsivity	0.95@ 1550nm	A/W
Transimpedance Gain	20K	V/A
Saturation Input Optical Power	210	uW
NEP	5	pW/Sqrt(Hz)
Output Impedance	50	Ω
Output Coupling	DC	
Supply Voltage	5	V
Supply Current	0.5 (max)	A
Optical Input	FC/APC	
RF Output	SMA	
Dimensions	80*80*25	mm
Note	Three optical input channels, three RF voltage output channels	

User Instructions

1. The module operates with a supply voltage of 5V, with a maximum supply current of 0.7A.

2. "Input" refers to the optical input interface; "RF" refers to the RF output interface.

3. Before connecting to the input, ensure that the end-face is clean to prevent dirt or contamination from affecting the measurement results.

Test Results