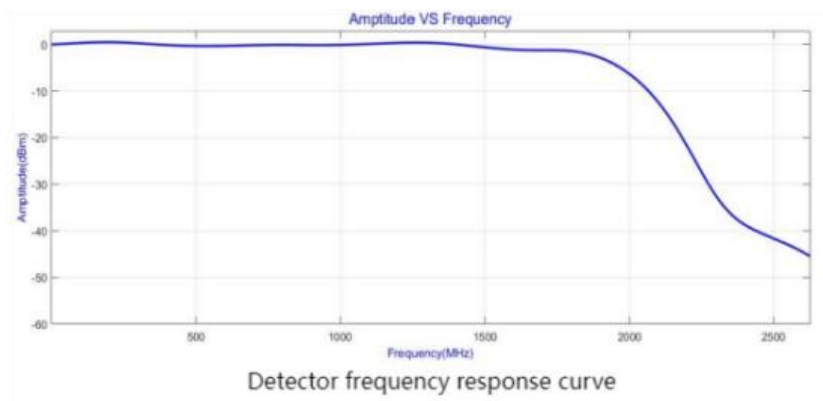


1300±150nm OCT photonic balanced detector



- **Product Description**

2GHz Low Noise OCT Balance Photodetector

- **Product features**

Low noise、 High bandwidth、 High gain、 Compact structure

- **Part Number**

MP-BPD-M-I-2000-F-A

● Application area

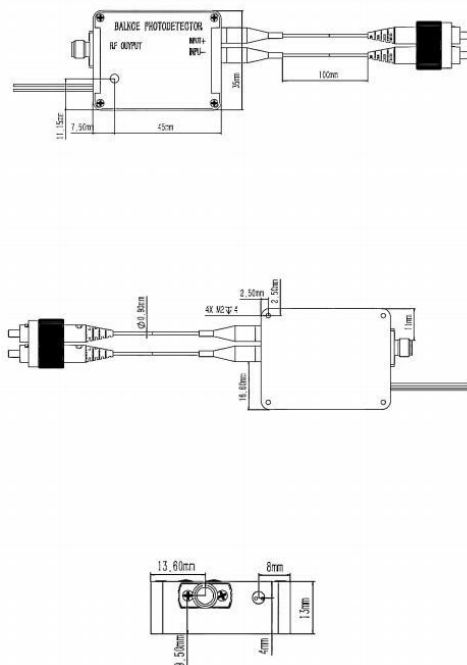
Distributed fiber optic sensing (ψ -OTDR/ C-OTDR, DAS/DVS, BOTDA/ BOTDR),

Laser wind measurement radar、 Optical coherence tomography、 Spectral measurement / ns-level optical pulse detection

● Core parameters

Working wavelength	bandwidth	optical power
1300 $\pm$ 150nm	2GHz	280uW

● Dimension Drawing



● General Parameters

Parameters

Detector type	InGaAs	Unit
Wavelength	1300±150	nm
Bandwidth	2 Ghz	Hz
Detector responsivity	0.91@ 1300nm	A/W
Transimpedance gain	15 KV/A	V/A
Saturation input optical power	280	uW
NEP (Noise Equivalent Power)	9 (Typical)	pW/Sqrt(Hz)
Output impedance	50	Ω
Common mode rejection ratio	>30	dB
Output coupling method	AC	
Supply voltage	12	V
Supply current	0.3 (max)	A
Optical input	FC/APC	
RF output	SMA	
Dimensions	45*35* 11.5	mm

Instructions for Use

1.The module's supply voltage is 12V, with a maximum supply current of 0.3A.

2.Input+ and Input- are the optical input interfaces; RF is the RF output interface.

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

Test result

