

800nm-4700nm Fast InGaAs PIN Photodiode module

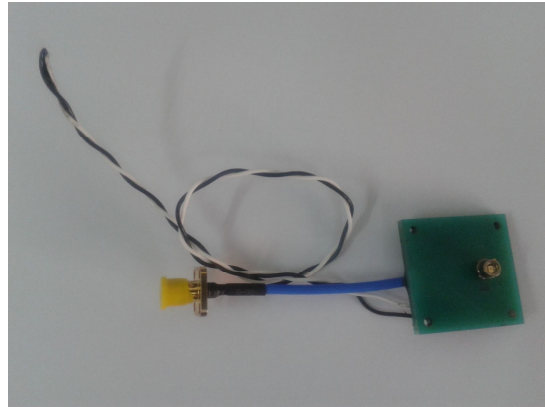
Model: LSIFPD-47PCB

Features:

- Low noise, High reliability
- Top illumination planar PIN PD
- Fast up to 15MHz
- 50Ω output

Applications:

- Short light pulse waveform test
- Science analysis and experiment



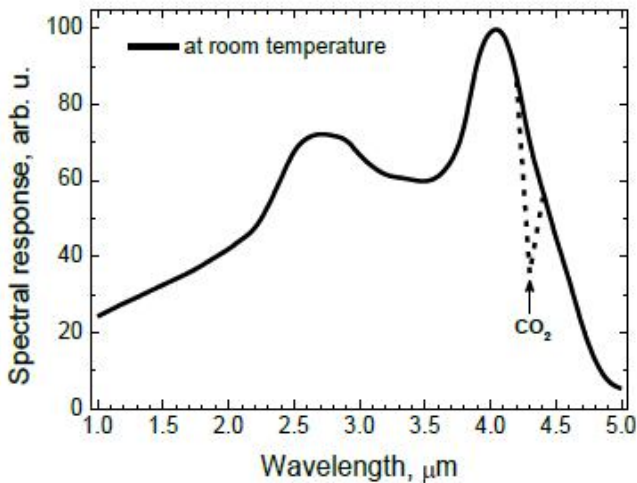
Absolute maximum ratings:

parameter	symbol	value	unit
Operating temperature	Top	-20~+40	°C
Storage temperature	Tstg	-40~+60	°C
Forward current	I _f	10	mA
Operating voltage	V _R	0.2	V
Power dissipation	W _p	100	mW
Soldering temperature(time)	T _s (10s)	260	°C

Electrical and optical characteristics:(T=25°C, V_R=0.1V)

parameter	symbol	unit	Value (typ.)
Active diameter	Φ	um	500
Spectral range	λ	nm	800-4700
Responsivity	Re (λ=4000nm)	mA/mW	1.0
Response time	Tr (R _L =50Ω, -0.1V)	ns	20
Dark current	I _D (-0.1V)	mA	1.5
Operating voltage	V _R	v	0-0.2
package	PCB with fast Photodiode, fast circuit, DC voltage power interface, SMA signal output interface etc		

The typical characteristic curve



Ordering information:

LSIFPD-47PCB-X-X

X=0.015 15MHZ

X=0	TO-46 Can with flat window cap
X=SMFP	SM Fiber coupling with FC-PC connector
X=SMFA	SM Fiber coupling with FC-APC connector
X=SMSA	SM Fiber coupling with SC-APC connector
X=5MMFA	50um MM Fiber coupling with FC-APC connector
X=6MMFA	62.5um MM Fiber coupling with FC-APC connector
X=JKFC	TO-46 Can with FC receptacle
X=Other	By customer's request

The cautions

The suitable ESD protecting measures are recommend in storage, transporting and using.

2: The fiber bending radius no less than 20mm for avoiding fiber damaged ,Be sure the fiber coupling facet is clean before connecting it to opto-circuit.