

800nm-3600nm Fast InGaAs PIN Photodiode module

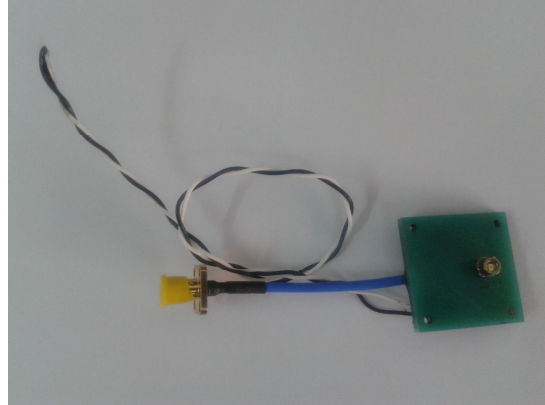
Model: LSIFPD-36PCB

Features:

- Low noise, High reliability
- Top illumination planar PIN PD
- Fast up to 10MHZ
- 50 Ω output

Applications:

- Short light pulse waveform test
- Science analysis and experiment



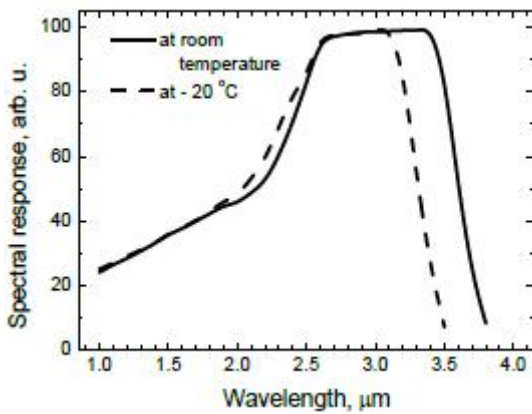
Absolute maximum ratings:

parameter	symbol	value	unit
Operating temperature	Top	-20~+50	°C
Storage temperature	Tstg	-45~+70	°C
Forward current	I _f	10	mA
Operating voltage	V _R	0.2	V
Power dissipation	Wp	100	mW
Soldering temperature(time)	Ts (10s)	260	°C

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

parameter	symbol	unit	Value (typ.)
Active diameter	Φ	um	300
Spectral range	λ	nm	800-3600
Responsivity	Re ($\lambda=3200\text{nm}$)	mA/mW	1.0
Response time	Tr (R _L =50 Ω , -0.1V)	ns	40
Dark current	I _D (-0.1V)	uA	250
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-36PCB-X-X

X=0.01 10MHZ

X=0

X=SMFP

X=SMFA

X=SMSA

X=5MMFA

X=6MMFA

X=JKFC

X=Other

TO-46 Can with flat window cap

SM Fiber coupling with FC-PC connector

SM Fiber coupling with FC-APC connector

SM Fiber coupling with SC-APC connector

50um MM Fiber coupling with FC-APC connector

62.5um MM Fiber coupling with FC-APC connector

TO-46 Can with FC receptacle

By customer's request

The cautions

1: 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.