

0.3mm InGaAs PIN photodiode

V4.1LIPD-003B 20-10-01

Model: LSIPD-L0.3

Features:

- High reliability, low dark current
- Top illumination Planar PIN PD
- Active diameter 0.3mm
- Hermetic TO46 Can or with receptacle

Applications:

- Optical sensor
- Optical power meter
- Industrial automatic control
- Science analysis and experiment
- Space light detect equipment
- Response spectrum testing



0



1



2JKFC

Absolute maximum ratings:

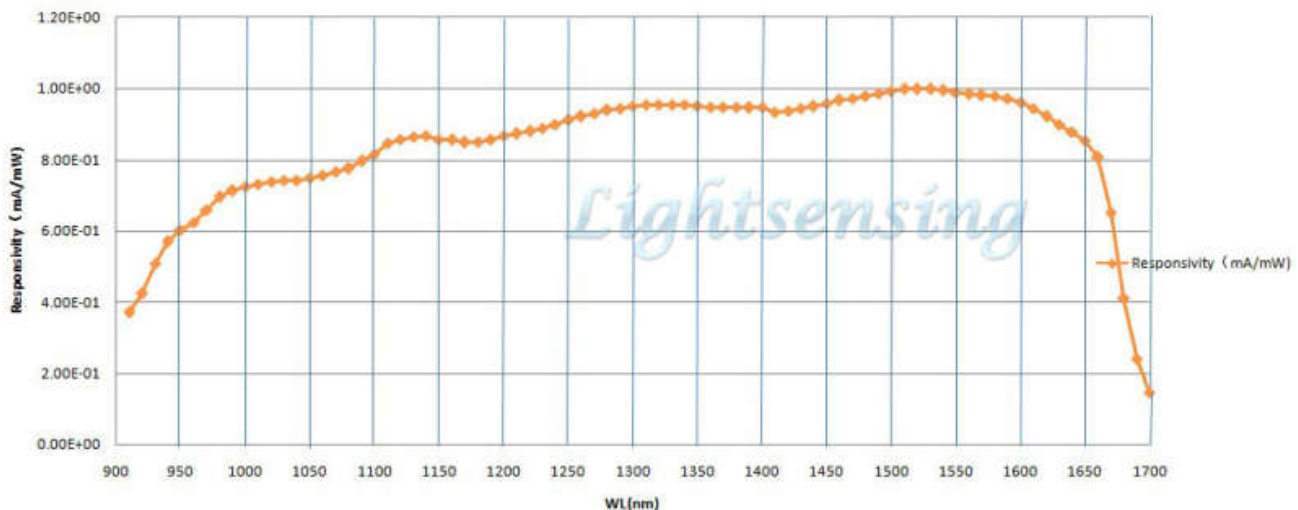
parameter	symbol	value	unit
Operating temperature	Top	-40~+85	°C
Storage temperature	Tstg	-40~+100	°C
Reverse voltage	Vr	10	V
Soldering temperature(time)	Ts (10s)	260	°C

Electrical and optical characteristics:(T=25°C)

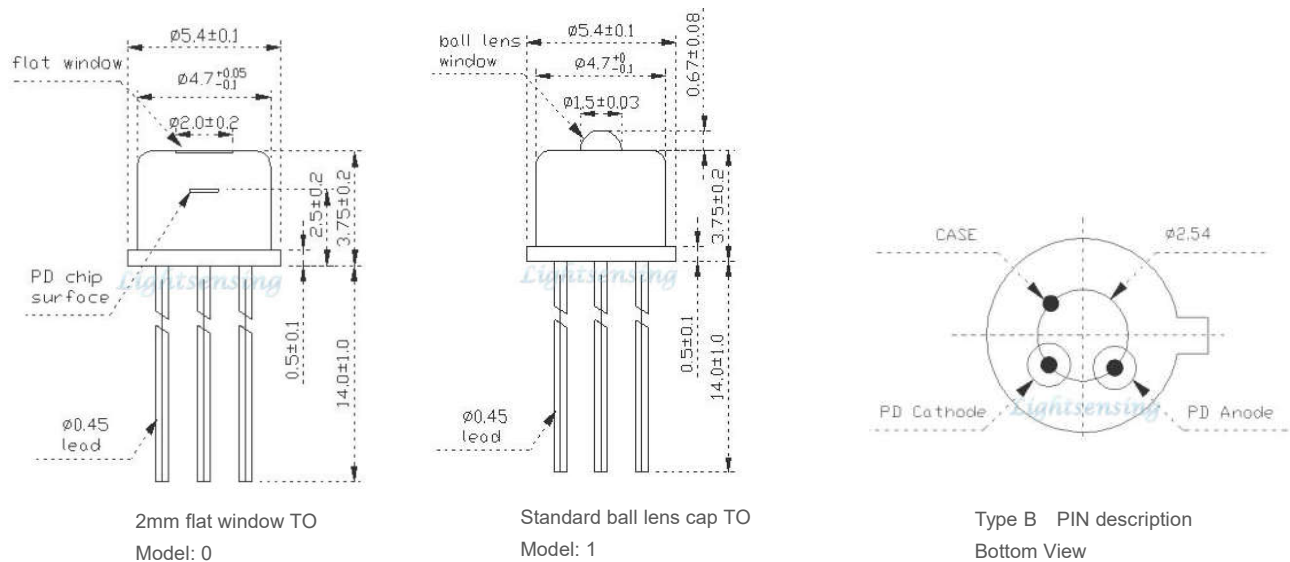
parameter	symbol	unit	Value (typ.)
Active diameter	Φ	mm	0.3
Spectral range	λ	nm	800-1700
Responsivity	Re(Vr=0V,λ=1310nm)	mA/mW	0.85
	Re(Vr=0V,λ=1550nm)	mA/mW	0.90
Response time	Tr (RL=50Ω, Vr=5V)	ns	1
Dark current	Id(Vr=0V)	nA	0.05
	Id(Vr=5V)	nA	0.5
Reverse Breakdown voltage	VBR (Id=10uA)	V	30
Total capacitance	Cj (f=1MHz, Vr=0V)	pF	1000
	Cj (f=1MHz, Vr=5V)	pF	6
Saturated Optical Power	Ps(VR =5V)	mW	5
Reverse operating voltage	Vr	V	0-5
Shunt resistance	Rsh (Vr=10mV)	GΩ	1
package	Hermetic TO46 Can or with receptacle		

NOTICE: The above product specifications are subject to change without notice.

The typical Responsivity curve



TO package and Lead



Note: For more information on dimension, please contact us.

Order information

LSIPD-L0.3-X-X		
X=B	Type B PIN	
X=Other		
X=0		TO46 Can with 2mm flat window cap (Standard products)
X=0A		TO46 Can with 2mm flat window cap and Antireflection Coatings
X=1		TO46 Can with ball lens cap (Standard products)
X=1A		TO46 Can with ball lens cap and Antireflection Coatings
X=2JKFC		TO46 Can with fixed receptacle with FC connector and 2 mounting holes (Standard products)
X=Other		By customer's request

The Cautions

- 1: The above product specifications are subject to change without notice.
- 2: The suitable ESD protecting measures are recommend in storage,transporting and using.

