

2mm InGaAs PIN photodiode

V4.1LPD-007 20-10-01

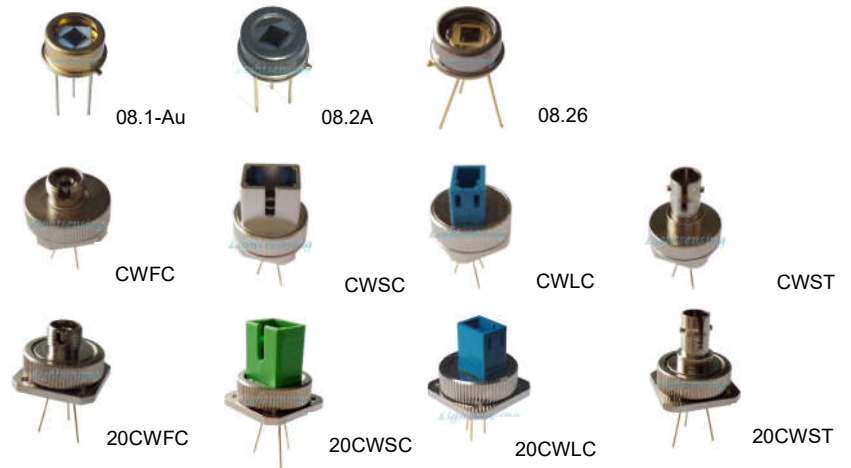
Model: LSIPD-L2

Features:

- High reliability, low dark current
- 800-1700nm spectral range
- Active diameter 2mm
- Hermetic TO5 Can or with receptacle

Applications:

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



Absolute maximum ratings:

parameter	symbol	value	unit
Operating temperature	Top	-40~+85	°C
Storage temperature	Tstg	-40~+100	°C
Reverse voltage	Vr	5	V
Soldering temperature(time)	Ts (10s)	260	°C

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

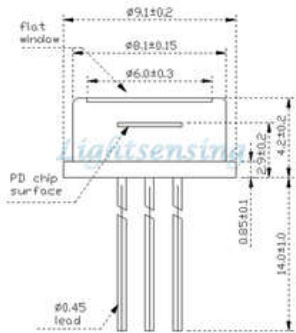
parameter	symbol	unit	Value (typ.)
Active diameter	Φ	mm	2
Spectral range	λ	nm	800-1700
Responsivity	Re(Vr=0V, λ =1310nm)	mA/mW	0.85
	Re(Vr=0V, λ =1550nm)	mA/mW	0.90
Response time	Tr (RL=50 Ω , Vr=3V)	ns	50
Dark current	Id(Vr=0V)	nA	0.7
	Id(Vr=3V)	nA	2
Reverse Breakdown voltage	VBR (Ir=10uA)	V	15
Total capacitance	Cj (f=1MHz, Vr=0V)	pF	1500
	Cj (f=1MHz, Vr=3V)	pF	300
Saturated Optical Power	Ps(Vr=0V)	mW	5(Min.3)
	Ps(Vr=3V)	mW	15
Reverse operating voltage	Vr	V	0-3
Shunt resistance	Rsh (Vr=10mV)	M Ω	15
package	Hermetic TO5 Can or with receptacle		

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

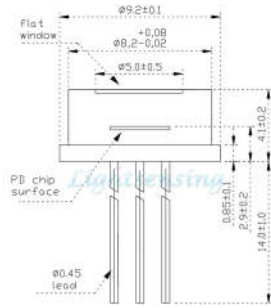
The typical Responsivity curve



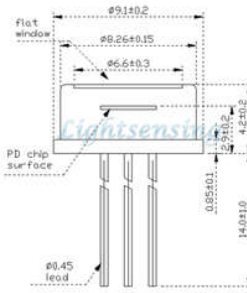
TO package and Lead



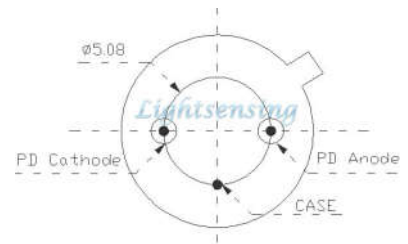
flat window 3PIN 8.1mm TO
Model: 08.1



flat window 3PIN 8.2mm TO
Model: 08.2



flat window 3PIN 8.26mm TO
Model: 08.26



3PIN Bottom View

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

Order information

LSIPD-L2-X

X=08.1-Au	TO5 Can with flat window Φ 8.1mm Au cap(Standard products)
X=08.2A	TO5 Can with flat window Φ 8.2mm nickel cap and Antireflection Coatings
X=08.26-Au	TO5 Can with flat window Φ 8.26mm Au cap
X=08.26	TO5 Can with flat window Φ 8.26mm nickel cap
X=08.26A	TO5 Can with flat window Φ 8.26mm nickel cap and Antireflection Coatings(Standard products)
X=CWFC	TO5 Can with replaceable receptacle with FC connector
X=CWSC	TO5 Can with replaceable receptacle with SC connector
X=CWLC	TO5 Can with replaceable receptacle with LC connector
X=CWST	TO5 Can with replaceable receptacle with ST connector
X=CWFC-5/12/16/20dB	TO5 Can with replaceable receptacle with FC connector and 5/12/16/20dB attenuation
X=CWSC-5/12/16/20dB	TO5 Can with replaceable receptacle with SC connector and 5/12/16/20dB attenuation
X=CWLC-5/12/16/20dB	TO5 Can with replaceable receptacle with LC connector and 5/12/16/20dB attenuation
X=CWST-5/12/16/20dB	TO5 Can with replaceable receptacle with ST connector and 5/12/16/20dB attenuation
X=20CWFC	TO5 Can with 20mm replaceable receptacle with FC connector
X=20CWSC	TO5 Can with 20mm replaceable receptacle with SC connector
X=20CWST	TO5 Can with 20mm replaceable receptacle with ST connector
X=20CWLC	TO5 Can with 20mm replaceable receptacle with LC connector
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.

