

800-2600nm 500um InGaAs PIN Photodiode

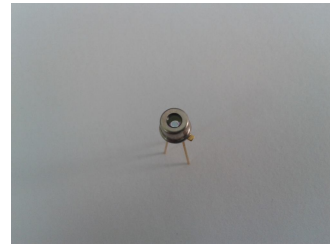
Model: LSIPD26-0.5

Features:

- Low noise, High reliability
- Top illumination planar PIN PD
- Active diameter 0.5mm
- Cut off wavelength to 2.6um

Applications:

- Gas Analyzer
- Environment measurement
- Science analysis and experiment
- Space light detect equipment
- Optical power meter
- NIR photometry
- Optical fiber sensor



Absolute maximum ratings:

parameter	symbol	value	unit
Operating temperature	Top	-40~+85	°C
Storage temperature	Tstg	-50~+125	°C
Forward current	I _f	10	mA
Reverse voltage	V _R	1	V
Power dissipation	W _p	100	mW
Soldering temperature(time)	T _s (10s)	260	°C

Electrical and optical characteristics:(T=25°C, V_R=0.5V)

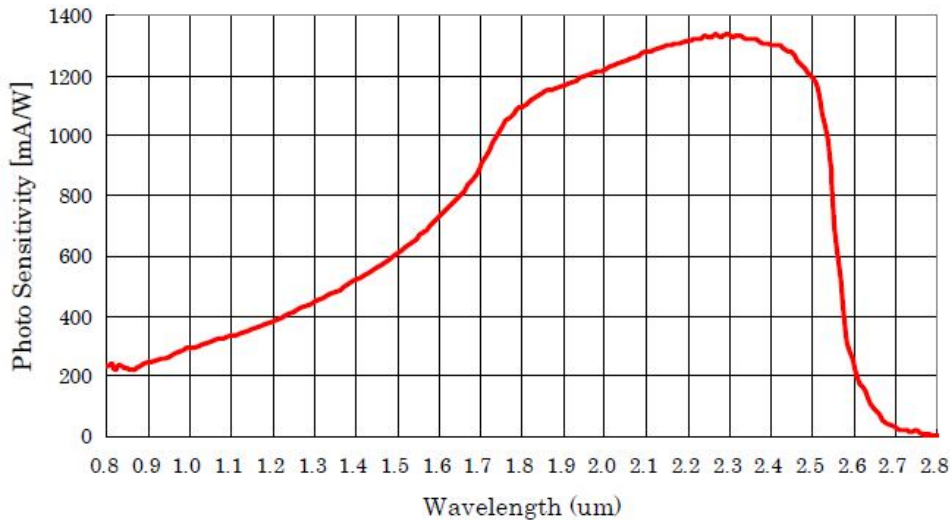
parameter	symbol	unit	Value (typ.)
Active diameter	Φ	um	500
Spectral range	λ	nm	800-2600
Responsivity	Re (V _R =0.5V,λ=1310nm)	mA/mW	0.5
	Re(V _R =0.5V,λ=2300nm)	mA/mW	1.1
Response time	T _r (R _L =50Ω, V _R =0.5V)	ns	20
Dark current	I _D (V _R =0.5V)	uA	1
Reverse Breakdown voltage	V _{BR} (I _R =10uA)	V	1
Junction capacitance	C _j (f=1MHz, V _R =0.5V)	nF	0.2
Operating voltage	V _R	v	0-0.5
Shunt impedance	Rsh (V _R =10mV)	KΩ	30
package	TO-46		

地址: 北京市海淀区苏州街12号西屋国际A座1104 邮编: 100080

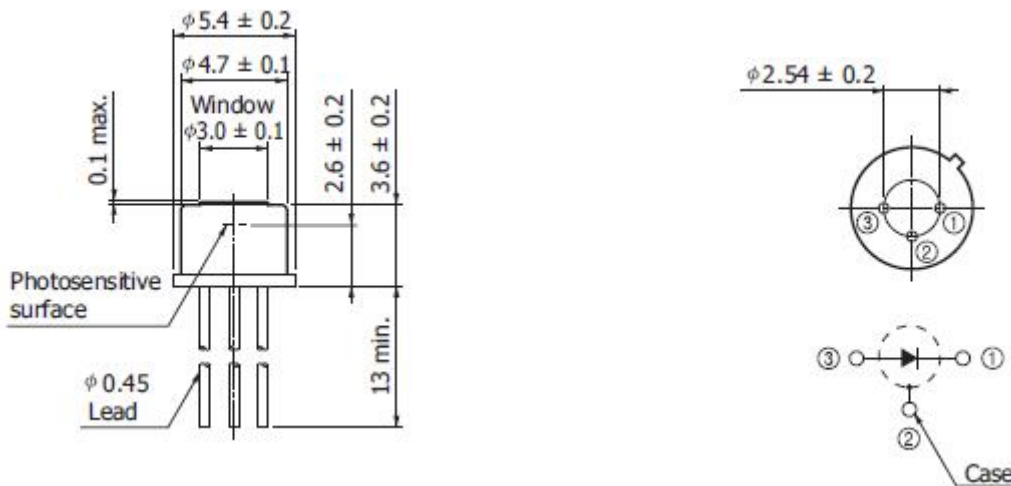
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The typical Sensitivity curve



The package and Lead



Bottom view

Order information

LSIPD26-0.5-X

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

1: The suitable ESD protection is required in storage, transportation and using

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