

## 800-2600nm 1mm InGaAs PIN Photodiode

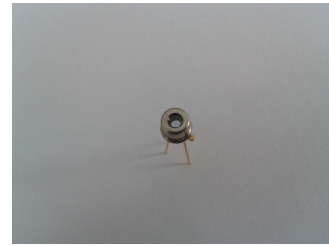
### Model: LSIPD26-1

#### Features:

- Low noise, High reliability
- Top illumination planar PIN PD
- Active diameter 1mm
- 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 <sub>f</sub>	10	mA
Reverse voltage	V <sub>R</sub>	1	V
Power dissipation	Wp	100	mW
Soldering temperature(time)	T <sub>s</sub> (10s)	260	°C

#### Electrical and optical characteristics:(T=25°C, V<sub>R</sub>=0.5V)

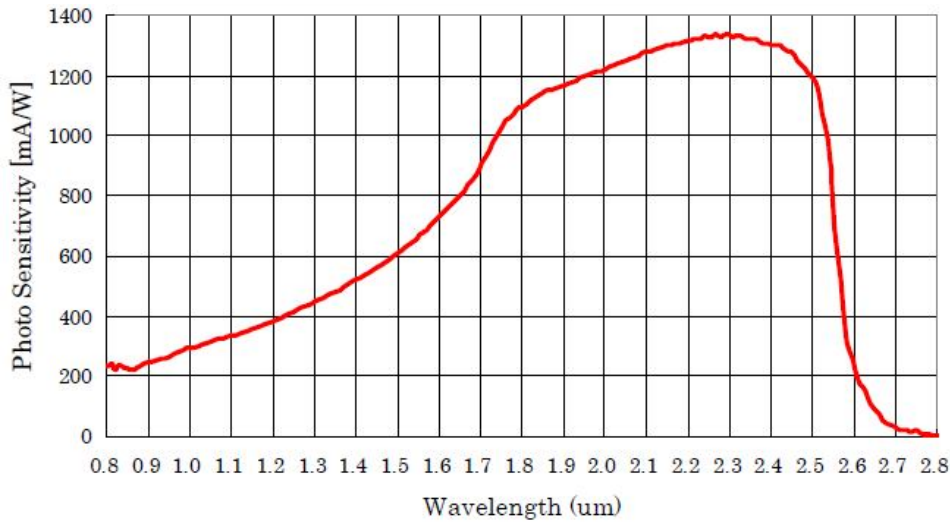
parameter	symbol	unit	Value (typ.)
Active diameter	Φ	mm	1
Spectral range	λ	nm	800-2600
Responsivity	Re (V <sub>R</sub> =0.5V,λ=1310nm )	mA/mW	0.5
	Re(V <sub>R</sub> =0.5V,λ=2300nm)	mA/mW	1.1
Response time	Tr (R <sub>L</sub> =50Ω, V <sub>R</sub> =0.5V)	ns	100
Dark current	I <sub>D</sub> (V <sub>R</sub> =0.5V)	uA	5
Reverse Breakdown voltage	V <sub>BR</sub> (I <sub>R</sub> =10uA)	V	1
Junction capacitance	C <sub>j</sub> (f=1MHz, V <sub>R</sub> =0.5V)	nF	0.5
Operating voltage	V <sub>R</sub>	v	0-0.5
Shunt impedance	Rsh (V <sub>R</sub> =10mV)	KΩ	3
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

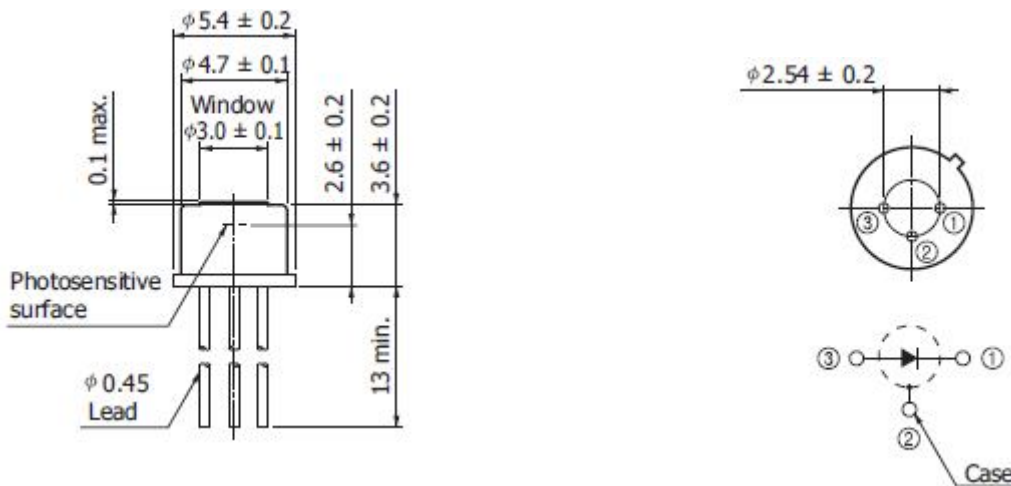
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### The typical Sensitivity curve



### The package and Lead



Bottom view

### Order information

LSIPD26-1-X

- X=0 TO-46 Can with flat window cap
- 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