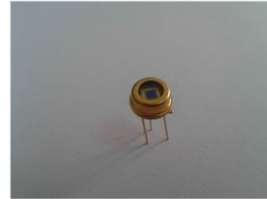


## 800-2600nm 2mm InGaAs PIN Photodiode

**Model: LSIPD26-2**

**Features:**

- Low noise, High reliability
- Top illumination planar PIN PD
- Active diameter 2mm
- 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



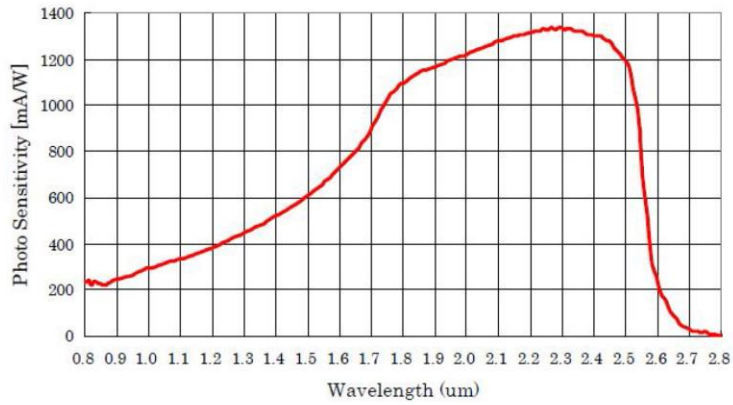
**Absolute maximum ratings:**

parameter	symbol	value	unit
Operating temperature	Top	-40~+85	℃
Storage temperature	Tstg	-50~+125	℃
Forward current	I <sub>f</sub>	10	mA
Reverse voltage	V <sub>R</sub>	1	V
Power dissipation	W <sub>p</sub>	100	mW
Soldering temperature(time)	T <sub>s</sub> (10s)	260	℃

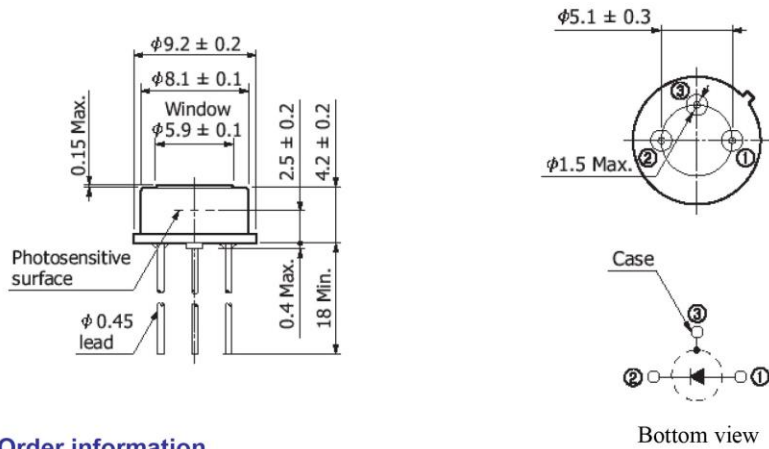
**Electrical and optical characteristics:(T=25℃, V<sub>R</sub>=0.5V)**

parameter	symbol	unit	Value (typ.)
Active diameter	Φ	mm	2
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	200
Dark current	I <sub>D</sub> (V <sub>R</sub> =0.5V)	uA	20
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	2
Operating voltage	V <sub>R</sub>	v	0-0.5
Shunt impedance	Rsh (V <sub>R</sub> =10mV)	KΩ	1
package	TO-5		

### The typical Sensitivity curve



### The package and Lead



### Order information

LSIPD26-2-X

- X=0 TO-5 Can with flat window cap
- X=JKFC TO-5 Can with removable FC receptacle
- X=Other By customer's request

### The cautions

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