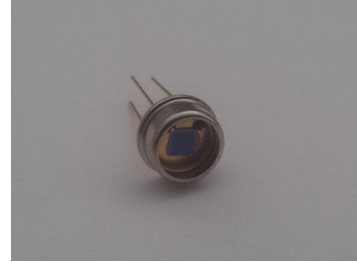


## 2.5mm Silicon Blue PIN photodiode

Model: LSSPD-B2.5

### Features:

- High responseivity
- Blue enhance
- High speed
- Low dark current
- Low capacitance
- Flat window



### Applications:

- Optical communications
- Laser ranging
- Industrial automatic control
- Optical power meter
- Science analysis and experiment



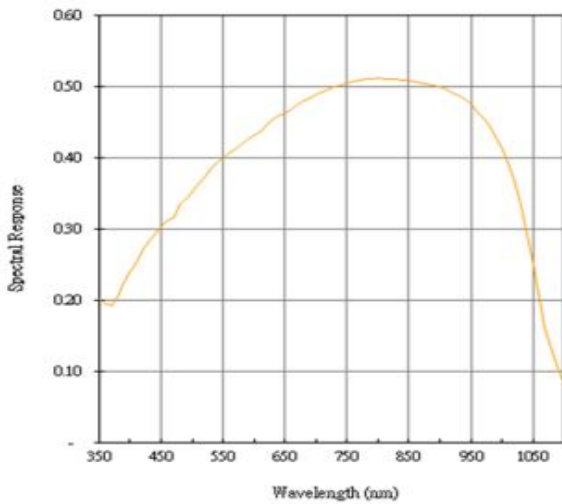
### Absolute maximum ratings:

parameter	symbol	value	unit
Operating temperature	Top	-40~+100	°C
Storage temperature	Tstg	-45~+125	°C
Forward current	I <sub>f</sub>	10	mA
Reverse current	I <sub>r</sub>	1000	uA

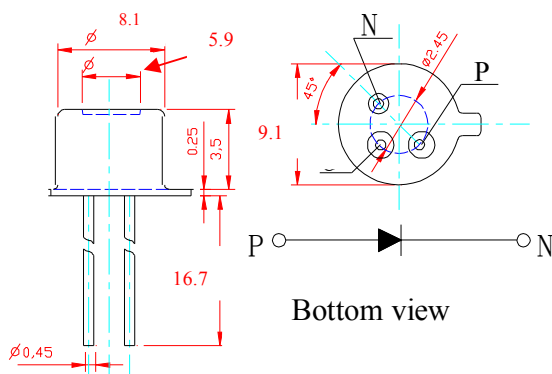
### Electrical and optical characteristics:(T=25°C, Vr=10V)

parameter	symbol	unit	Value (typ.)
Active area	Φ	mm	2.5×2.5
Spectral range	λ	nm	320-1100
Responsivity	Re (λ=1064nm )	mA/mW	0.20
	Re (λ=850nm )	mA/mW	0.50
	Re(λ=650nm)	mA/mW	0.45
	Re(λ=350nm)	mA/mW	0.18
Response time	Tr (R <sub>L</sub> =50Ω,905nm)	ns	60
Dark current	I <sub>D</sub>	nA	5
Reverse Breakdown voltage	V <sub>BR</sub> (I <sub>R</sub> =10uA)	V	90
Junction capacitance	C <sub>j</sub> (f=1MHz)	pF	50
Operating voltage	V <sub>R</sub>	v	0-10
package	TO-5		

### The typical Sensitivity curve



### The package and Lead



### Order information

LSSPD-B2.5-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