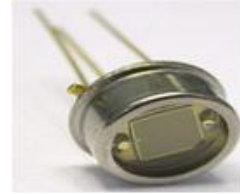


3.5mm Silicon PIN Photodiode

Model: LSSPD-3.5

Features:

- High responseivity at 532-650nm
- Low dark current
- Low capacitance



Applications:

- Optical monitor
- Laser ranging
- Laser radar
- Industrial automatic control
- Science analysis and experiment



Absolute maximum ratings:

parameter	symbol	value	unit
Operating temperature	Top	-40~+100	℃
Storage temperature	Tstg	-45~+125	℃
Forward current	I _f	10	mA
Reverse current	I _r	1000	uA

Electrical and optical characteristics:(T=25℃)

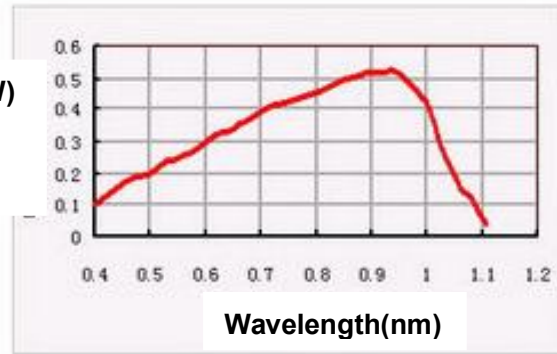
parameter	symbol	unit	Value (typ.)
Active diameter	Φ	mm	3.5×3.5
Spectral range	λ	nm	400-1100
Responsivity	Re (V _R =10mV, λ =530nm)	mA/mW	0.20
	Re (V _R =10mV, λ =632nm)	mA/mW	0.35
	Re(V _R =10mV, λ =900nm)	mA/mW	0.50
Dark current	I _D (10mV)	nA	0.2
Reverse Breakdown voltage	V _{BR} (I _R =10uA)	V	50
Junction capacitance	C _j (f=1MHz,10mV)	pF	1200
Operating voltage	V _R	v	0-0.5
package	TO-5		

地址：北京市海淀区苏州街 12 号西屋国际 A 座 1104 邮编：100080

Address: Building A Rm 1104, Westing house, No 12 Suzhou Street,, Haidian District, Beijing 100080, China.

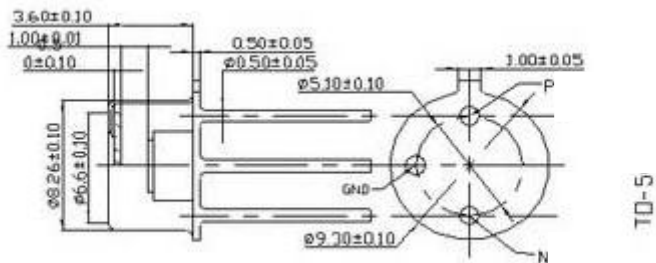
TEL: +86-010-53691988 FAX: +86-010-62557230 Email: info@lightsensing.com Website: www.lightsensing.com

The typical Responsivity curve

Responsivity(A/W)

Responsivity curve

The package and Lead



Order information

LSSPD-3.5-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