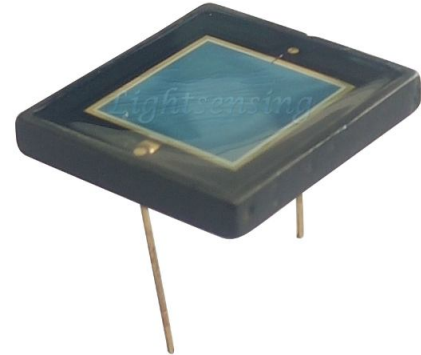


10mm Silicon PIN Photodiode with Ceramic package

Version: 3.1 17-03-01

Model: LSSPD-10
Features:

- High reliability, low dark current
- 400-1100nm spectral range
- Active diameter 10x10mm
- non-hermetic Ceramic package with epoxy resin


Applications:

- Optical sensor
- Optical measurement equipment
- Industrial automatic control
- IR/ Laser light Monitoring
- Fluorescence detector
- Medical equipment
- Spectrophotometry/CT scan

Absolute maximum ratings:

parameter	symbol	value	unit
Operating temperature	Top	-20~+60	°C
Storage temperature	Tstg	-25~+85	°C
Forward current	I _f	18	mA
Reverse voltage	V _r	20	V
Soldering temperature(time)	T _s (10s)	260	°C

Electrical and optical characteristics:(T=25°C)

parameter	symbol	unit	Value (typ.)
Active diameter		mm	10×10
Spectral range	λ	nm	400-1100
Responsivity	Re(V _R =5V,λ=405nm)	mA/mW	0.10
	Re(V _R =5V,λ=650nm)	mA/mW	0.38
	Re(V _R =5V,λ=850nm)	mA/mW	0.55
	Re(V _R =5V,λ=1064nm)	mA/mW	0.20
Dark current	I _D (0V)	nA	0.15
	I _D (5V)	nA	2
Reverse Breakdown voltage	V _{BR} (I _R =10uA)	V	60
Junction capacitance	C _j (f=1MHz,0V)	pF	1000
	C _j (f=1MHz,5V)	pF	200
Saturated Optical Power	P _s (V _R =5V)	mW	30
Operating voltage	V _R	V	0-10
Shunt resistance	R _{sh} (V _R =10mV)	MΩ	40
package	Non-hermetic Ceramic package with epoxy resin		

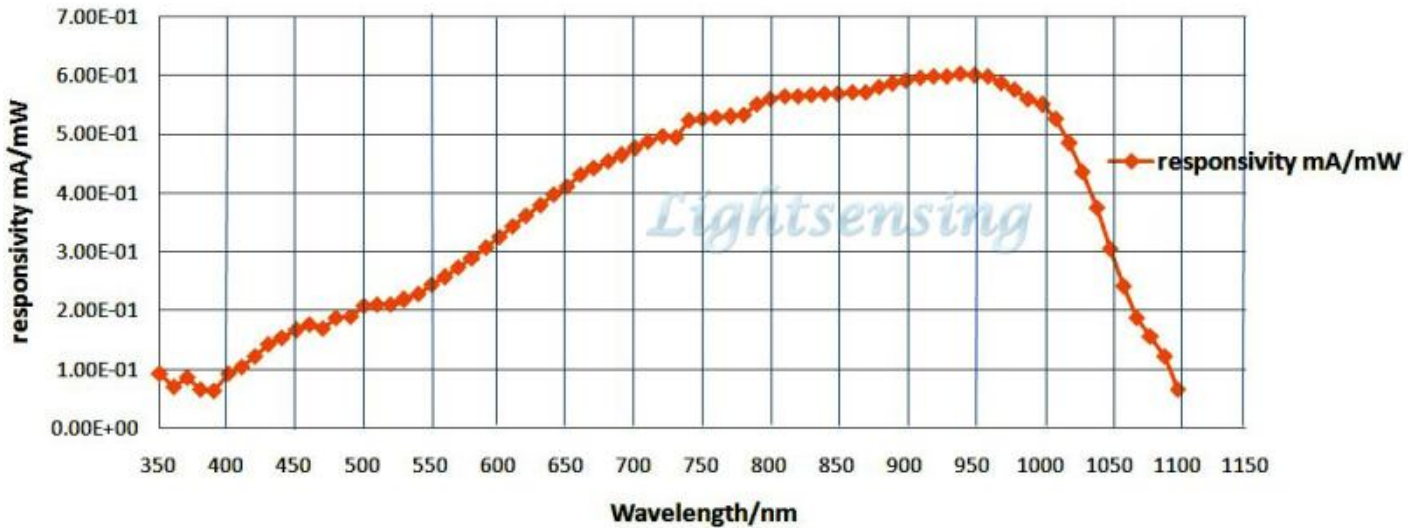
NOTICE: The above product specifications are subject to change without notice.

地址: 北京市海淀区苏州街12号西屋国际E座1201 邮编: 100080

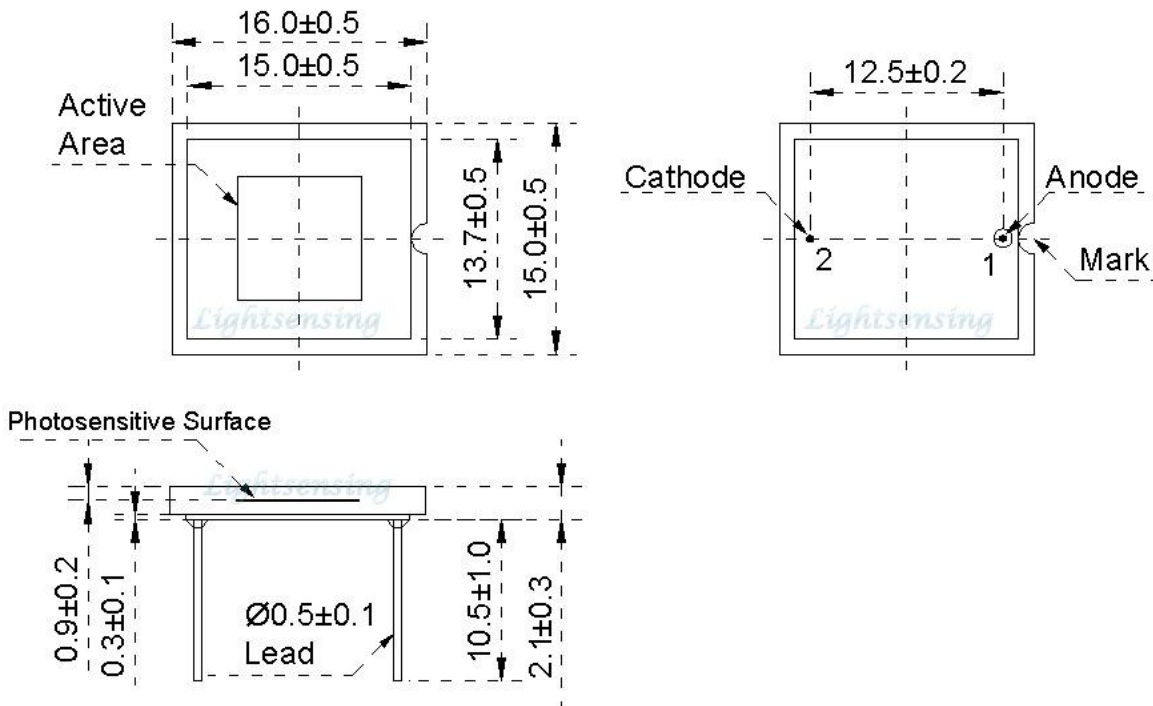
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The typical Responsivity curve



The package and Lead



Order information

LSSPD-10-X

- X=Ce Non-hermetic Ceramic package with epoxy resin
- X=Other By customer's request

The cautions

- 1: The above product specifications are subject to change without notice.
- 2: The suitable ESD protecting measures are recommend in storage, transporting and using.