



## PDS-94A3030

### 940nm 0.6A/W Si Photodiode in 3030 Package

## Description

The Lasermate PDS-94A3030 is a Silicon photodiode in 3030 package for sensing and communication applications.



## Features

- High sensitivity
- Low dark current noise
- High reliability
- Coated bandpass filter
- High speed
- Environment compatible

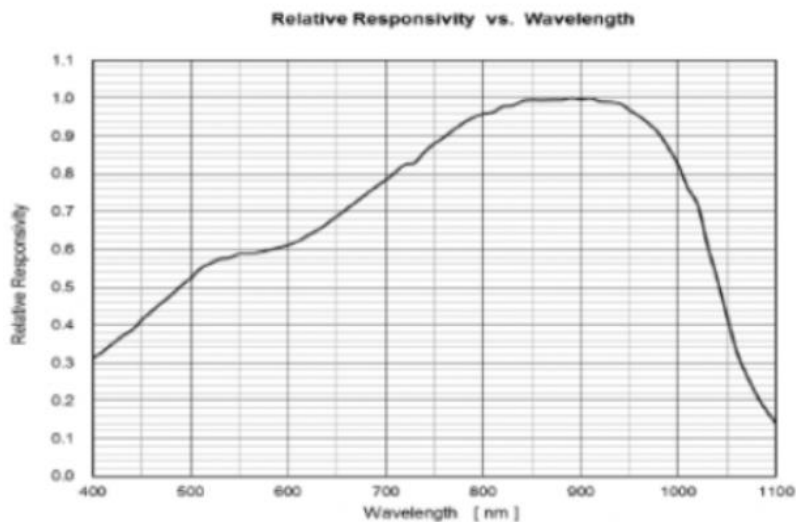
## Applications

- Sensing i.e. proximity
- Laser curtain
- Lidar
- Medical application
- Telecommunication
- Military application

## Specifications

Electro-Optical Characteristics (Top=25°C)						
Parameters	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	$V_F$			1.2	V	$I_F=10\text{mA}$ , $E_e=0\text{mW/cm}^2$
Reverse breakdown voltage	$V_{BR}$	33			V	$I_{BR}=10\mu\text{A}$ , $E_e=0\text{mW/cm}^2$
Reverse dark current	$I_D$			5	nA	$V_R=10\text{V}$ , $E_e=0\text{mW/cm}^2$
Responsivity	$I_L$		0.6		A/W	$V_R=3\text{V}$ at 940nm
Peak sensing wavelength	$\lambda_p$		940		nm	$V_R=3\text{V}$
Total capacitance	$C_J$		1.1		pF	$V_R=5\text{V}$ , $F=1\text{MHz}$

## Typical Characteristics



Note: Specifications are subject to change without notice.