



## PDC-13A1500

### 1.5mm Active Area InGaAs PIN Photodiode Chip

#### Overview

The Lasermate PDC-13A1500 is a 1.5mm diameter active area InGaAs photodiode chip designed for use in monitor applications.

#### Features

- 1310nm/1550nm InGaAs PIN photodiode chip
- Dia. 1.5mm Sensitive area
- Optimized for monitor optic application
- Low dark current and low capacitance

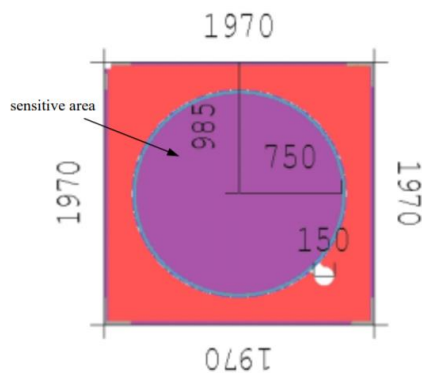
#### Applications

- Optimized for monitor optic application

#### Specifications

Electro-Optical Characteristics						
Parameters	Symbol	Min.	Typ.	Max.	Unit	Conditions
Responsivity	R		0.9		A/W	$V_R = 5V, \lambda = 1300nm$
Breakdown voltage	$V_{BD}$	18			V	$I_R = 1\mu A$
Capacitance	C		250	450	pF	$V_R = 0V, f = 1MHz$

#### Outline Diagram



- Chip size: 1.97mm x 1.97mm typical
- Sensitive area: Typical 1.5mm in diameter

## Typical Characteristics

Fig. 1 Typical Dark Current vs. Forward Current

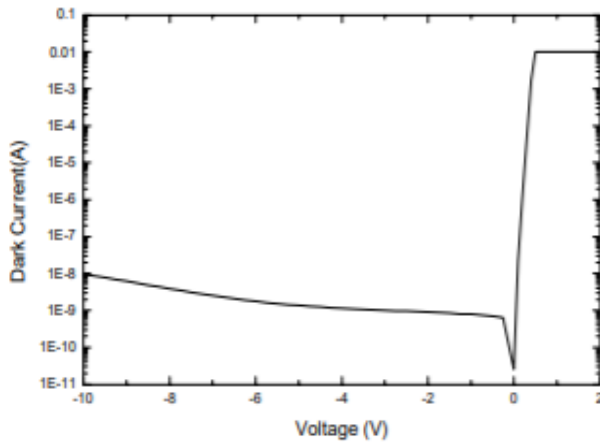


Fig. 2 Typical Photo-Current

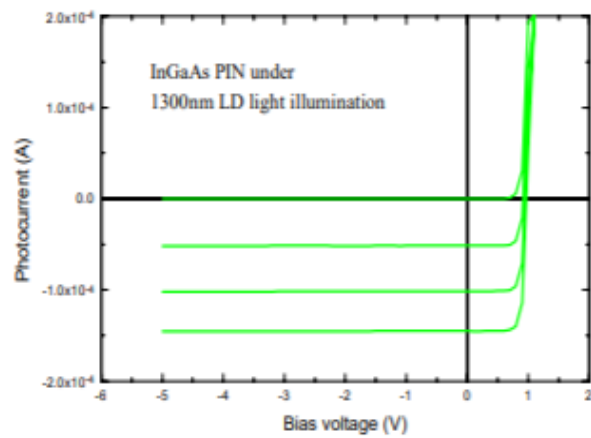


Fig. 3 Typical Breakdown Curve

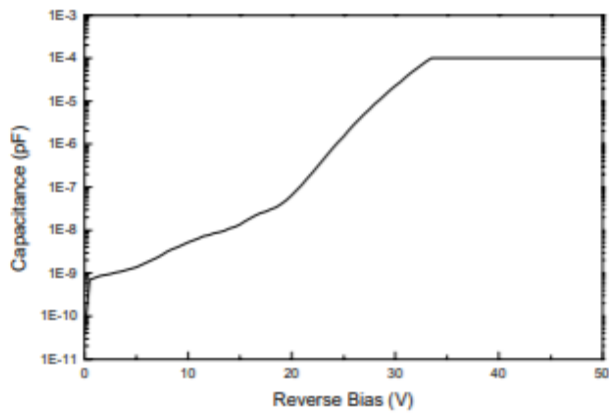
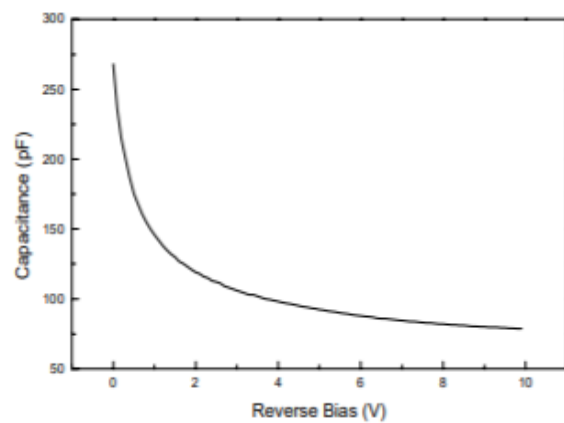


Fig. 4 Typical C-V Curve



Note: Specifications are subject to change without notice.