

1260-1620nm InGaAs PIN Photodiode Chip, 1.5mm Active Area

Part No. PDC-13A1500

Features

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

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	$V_R = 0V, f = 1MHz$

Typical Characteristics

Fig. 1 Typical Dark Current vs. Forward Current

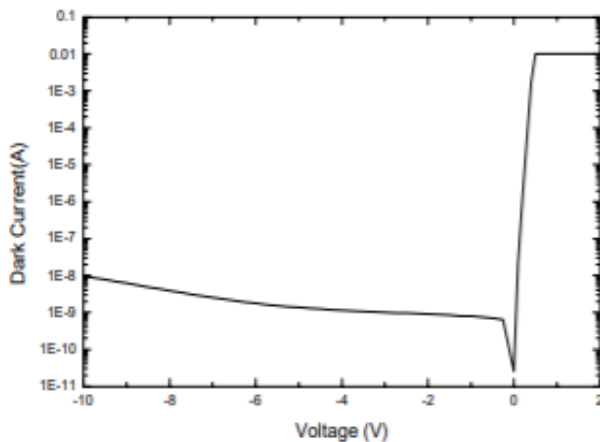


Fig. 2 Typical Photo-Current

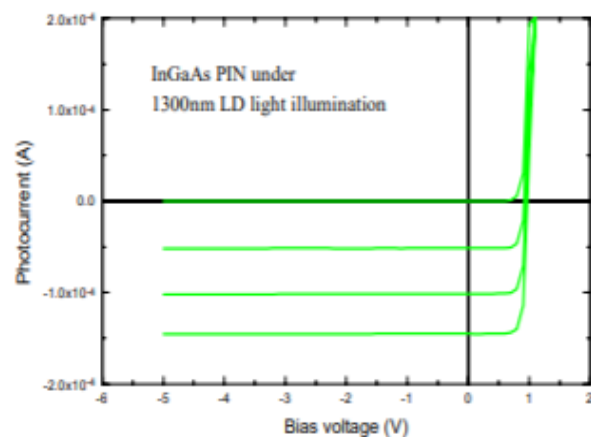


Fig. 3 Typical Breakdown Curve

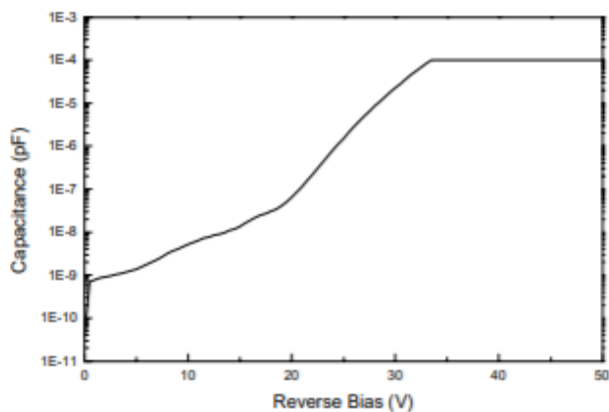
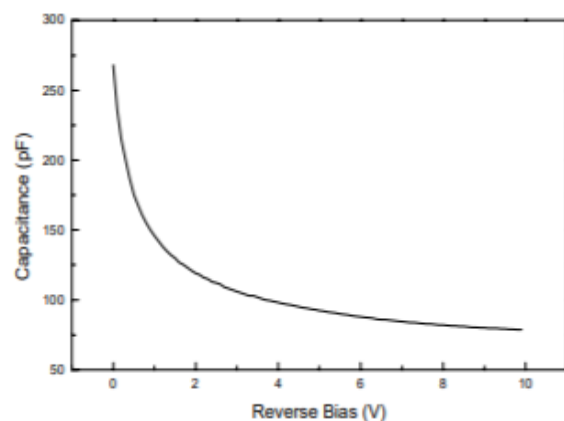
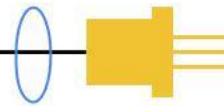
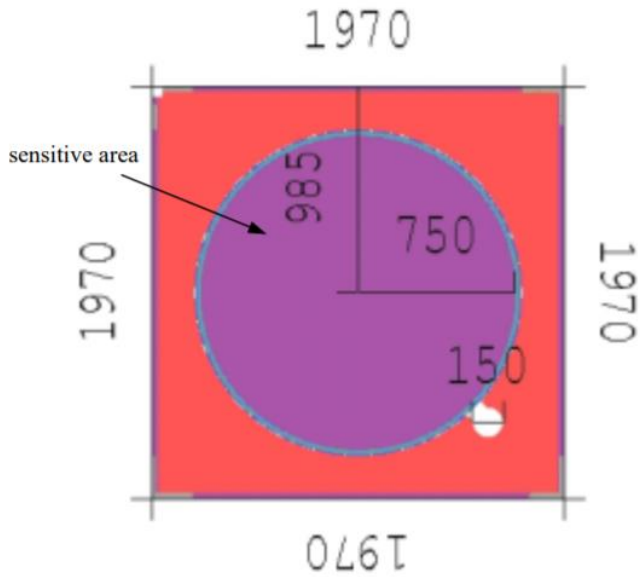


Fig. 4 Typical C-V Curve





Outline Diagram



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

Note: Specifications are subject to change without notice.