



PDA4-85A14G

14Gbps GaAs PIN Photodiode 1x4 Chip Array

Overview

The Lasermate PDA4-85A14G is 14Gbps, 1x4 array, GaAs photodiode designed for use in fiber optic data communication applications.



Features

- Two top-side wire bond pads
- AR coated for 850nm
- Package: 1x4 chips
- Data rate up to 14Gbps
- Low dark current and low capacitance

Applications

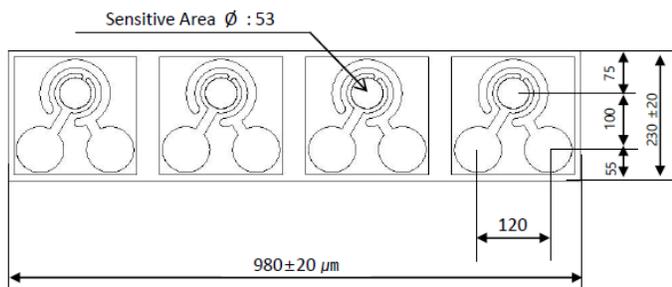
- High speed Data communications
- Gigabit ethernet
- Fiber channel
- Parallel optical interconnects

Specifications

Absolute Maximum Ratings				
Parameters	Min.	Max.	Unit	Conditions
Storage Temperature	-40	100	°C	
Operating Temperature	-40	85	°C	
Forward Current		10	mA	
Reverse Voltage		40	V	

Electro-Optical Characteristics (T _a =25°C unless otherwise stated)						
Parameters	Symbol	Min.	Typ.	Max.	Unit	Conditions
Sensitive Area	D		53		um	In diameter
Responsivity	R		0.6		A/W	V _R =1.6V, λ=850nm
Dark Current	I _D			1.0	nA	V _R =2V
Breakdown Voltage	V _B	20			V	I _r =1uA
Capacitance	C		0.20		pF	V _R =3V, f=1MHz
Peak Wavelength	λ		850		nm	

Outline Dimensions (unit: um)



Note: Specifications are subject to change without notice.