

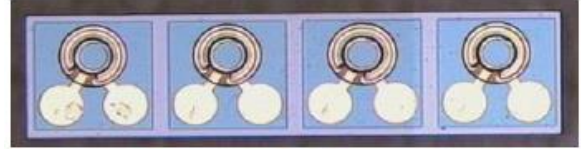


## 14Gbps GaAs PIN Photodiode 1x4 Array

Part No. PDA-85-1X4-14G

### 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

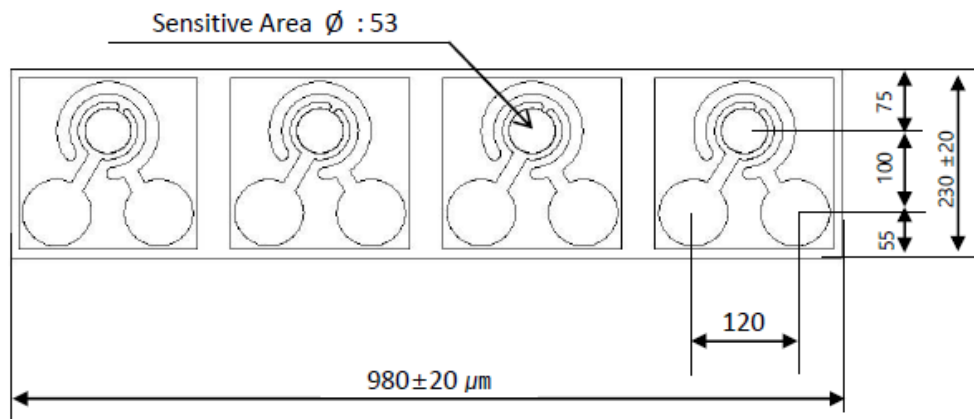
- High speed Data communications
- Gigabit ethernet
- Fiber channel
- Parallel optical interconnects

### 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 <sub>a</sub> =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 <sub>R</sub> =1.6V, λ=850nm
Dark Current	I <sub>D</sub>			1.0	nA	V <sub>R</sub> =2V
Breakdown Voltage	V <sub>B</sub>	20			V	I <sub>F</sub> =1uA
Capacitance	C		0.20		pF	V <sub>R</sub> =3V, f=1MHz
Peak Wavelength	λ		850		nm	

### Outline Dimensions (unit: mm)



Note: Specifications are subject to change without notice.

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