

## **PIN PD Chip Specifications**

**P85MB - 1001 (2.5Gbps)**

### **Features**

- Data rate up to 2.5Gbps
- Field-tested for more than 5 years
- Applied to various types of modules
- Reliabilities guaranteed
- Cost effective



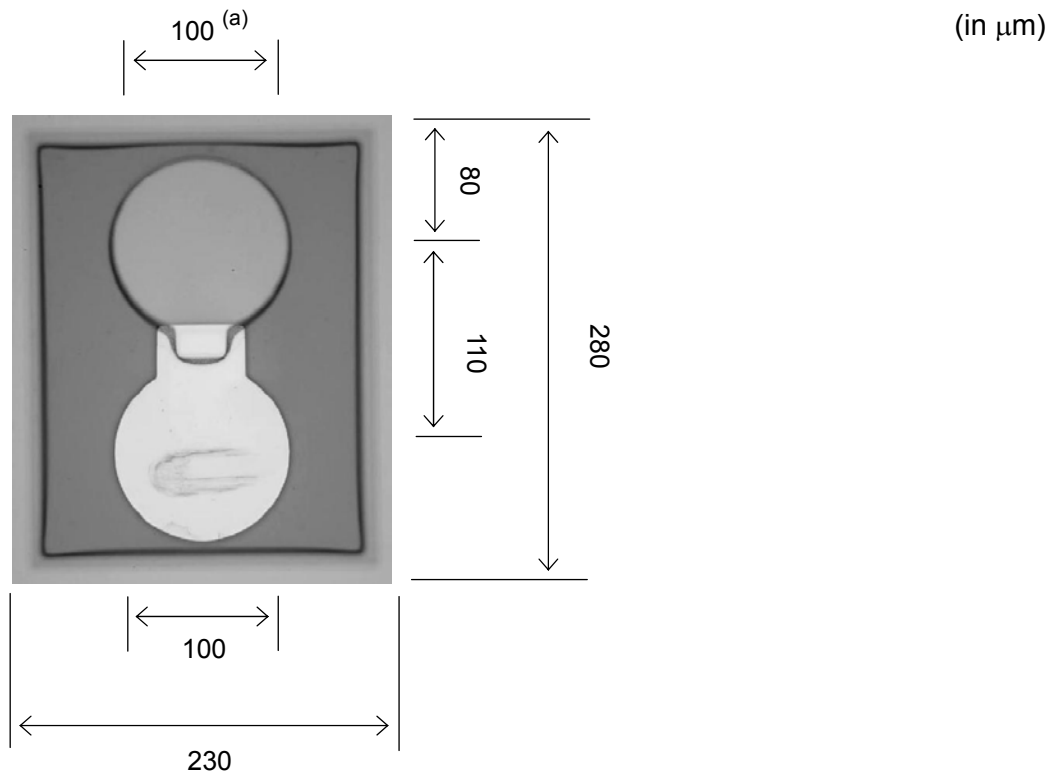
### **PD Characteristics** (Heat sink temperature T=25°C unless otherwise stated.)

<b>Parameter</b>	<b>Symbol (Unit)</b>	<b>Min</b>	<b>Typ.</b>	<b>Max</b>	<b>Test Condition</b>
Responsivity	S (A/W)	0.46	0.5		
Dark current	I <sub>d</sub> (nA)		0.5	2	@ 5V
Breakdown Voltage	V <sub>bd</sub> (V)	50			@ 1uA
Capacitance	C (pF)		0.43	0.52	@ 3.3V
Wavelength	λ (nm)	820		860	
Bandwidth	F <sub>3dB</sub> (GHz)	3			@ 3.3V

### Absolute Maximum Ratings

Parameter	Rating
Storage Temperature	-40 to +120°C
Operating Temperature	-40 to 90°C
Lead Solder Temperature	330°C
Supply Voltage	-0.5~5.0V

### Dimensions



(a) Other detection diameters are available on request. Actual effective diameter is  $\sim 5 \mu\text{m}$  smaller.

### Notice

- PD is an ESD-sensitive component. Please, take precautions during handling.

