

## InGaAs PIN Photodetectors

### Features:

- Low noise, low dark current
- Large active area
- Standard TO package, fiber pigtailed co-axial packages or in connector style receptacle packages available

### Applications:

- Laser monitor
- Optical power meter
- Laser diode life test



### Absolute Maximum Ratings

PARAMETER	SYMBOL	VALUE	UNIT
Operating Temperature	$T_{op}$	-40~+85	°C
Storage Temperature	$T_{stg}$	40 ~ +125	°C
Reverse Voltage	$V_r$	30	V
Lead Soldering Temperature(10 sec.)	$T_{is}$	260	°C

Specifications	Testing condition	GCPD-1P05	GCPD-1P1	Unit
Sensitive Area	-	Ø500	Ø1000	µm
Responsibility	=1310nm	≥ 0.80	≥ 0.80	A/W
	=1550nm	≥ 0.85	≥ 0.85	
Response Spectrum	-	850~1700	850~1700	nm
Peak Wavelength	-	1550	1550	nm
Dark Current (Typical)	$V_r=5V$	≤ 3	≤ 0.5 ( $V_r=5V$ )	nA
Capacitance	$V_r=5V$	13	25	PF
Rise / Fall time	$V_r=5V$	5	20	ns
Saturation Power(Typical)	$V_r=5V$	≥ 2	2	mW