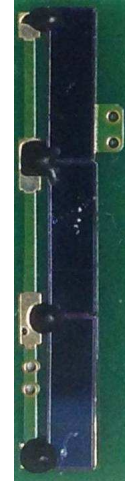


Technical Data Sheet

Photo Diode Array: PDA2406

■ Features

- 6 photodiodes
- Active cell area: 2.0mm*5.0mm+2.0mm*2.0mm
- Fast response time
- High photo sensitivity
- Pb free
- The product itself will remain within RoHS compliant version.



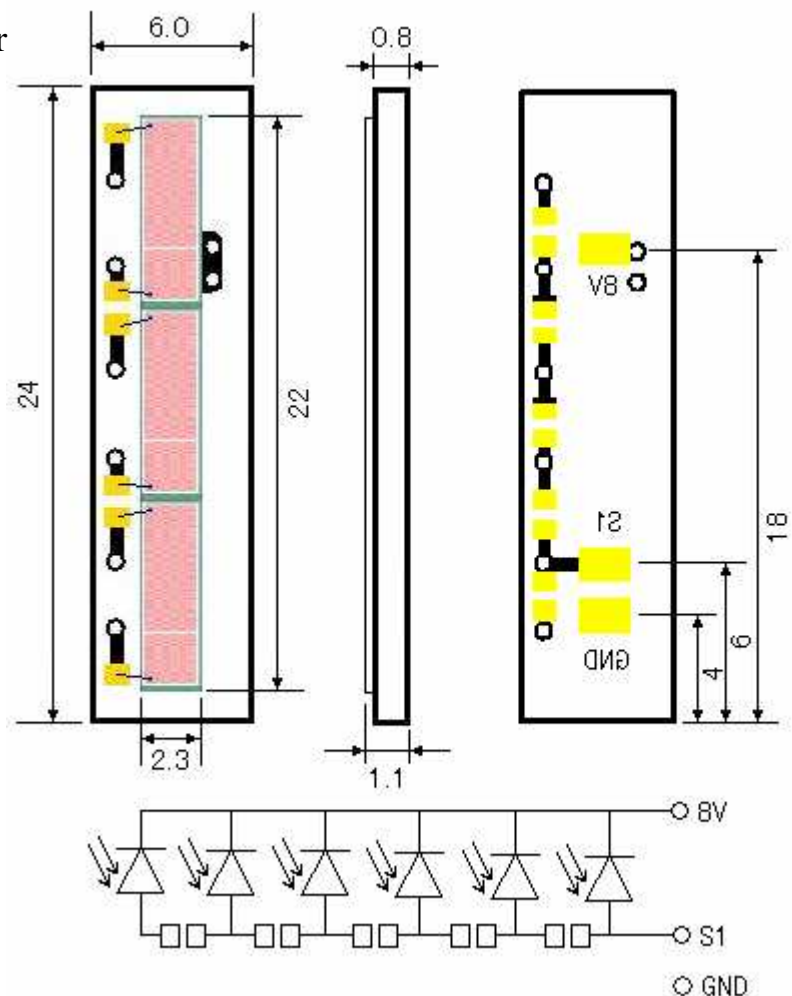
■ Descriptions

PDA2406 is an array of 6 high sensitive and high speed silicon photodiodes mounted on PCB.

■ Applications

- High speed photo detector

■ Package Dimensions



■ Absolute Maximum Ratings (Ta=25℃)

Parameter	Symbol	Rating	Units
Reverse Voltage	VR	60	V
Power Dissipation	Pd	150	mW
Lead Soldering Temperature	Tsol	260	℃
Operating Temperature	Topr	-40 ~ +85	℃
Storage Temperature	Tstg	-40 ~ +85	℃

■ Electro-Optical Characteristics (Ta=25℃)

Parameter	Symbol	Condition	Min.	Typ.	Max.	Units
Rang of Spectral Bandwidth	$\lambda_{0.5}$	----	380	----	1100	nm
Wavelength of Peak Sensitivity	λ_p	----	----	940	----	nm
Open-Circuit Voltage	V _{OC}	Ee=5m W/cm ² λ_p =940nm	----	0.39	----	V
Short- Circuit Current	I _{SC}	Ee=5m W/cm ² λ_p =940nm	----	480	----	μ A
Reverse Light Current	I _L	Ee=5m W/cm ² λ_p =940nm V _R =5V	----	480	----	μ A
Dark Current	I _d	Ee=0m W/cm ² V _R =10V	----	----	30	nA
Reverse Breakdown	BV _R	Ee=0m W/cm ² I _R =100 μ A	60	----	----	V
Total Capacitance	C _t	Ee=0m W/cm ² V _R =3V f=1MHZ	----	63	----	pF
Rise/Fall Time	t _r /t _f	V _R =10V R _L =1K Ω		50/50		nS

■ Typical Electro-Optical Characteristics Curves

Fig.1 Power Dissipation vs.
Ambient Temperature

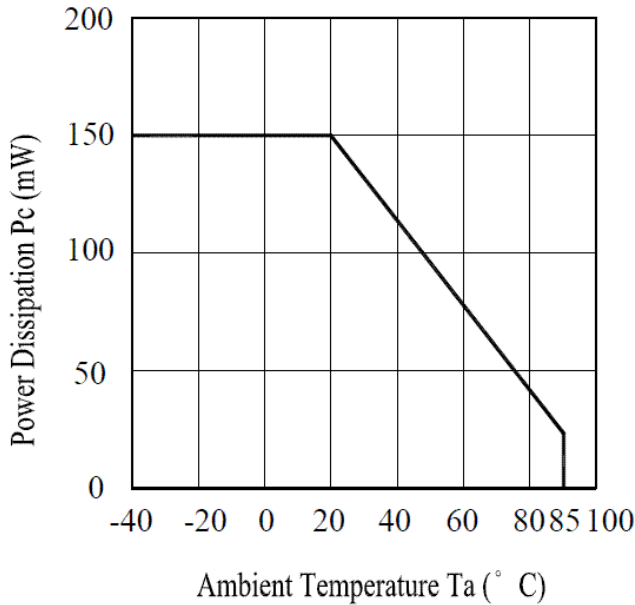


Fig.2 Spectral Sensitivity

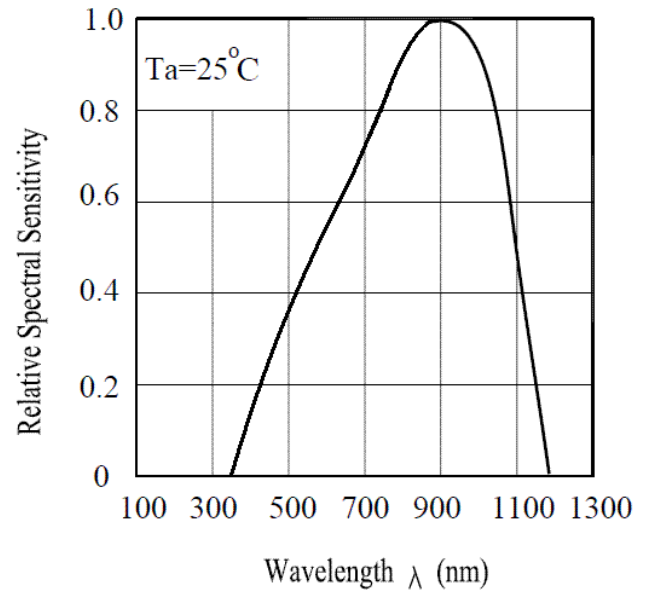


Fig.3 Dark Current vs.
Ambient Temperature

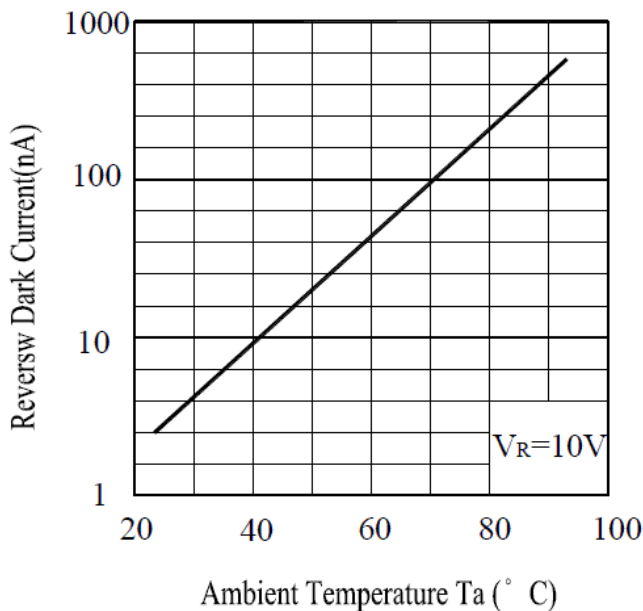


Fig. 4 Reverse Light Current vs.
 E_e

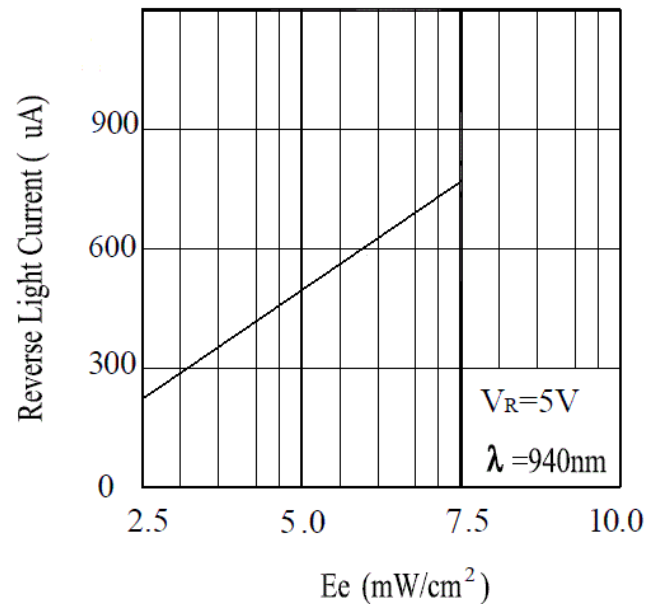


Fig.5 Terminal Capacitance vs.

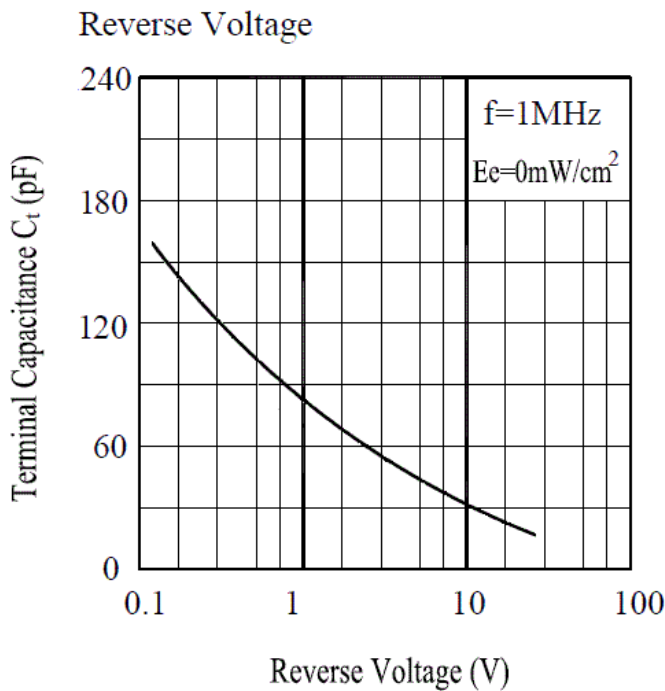
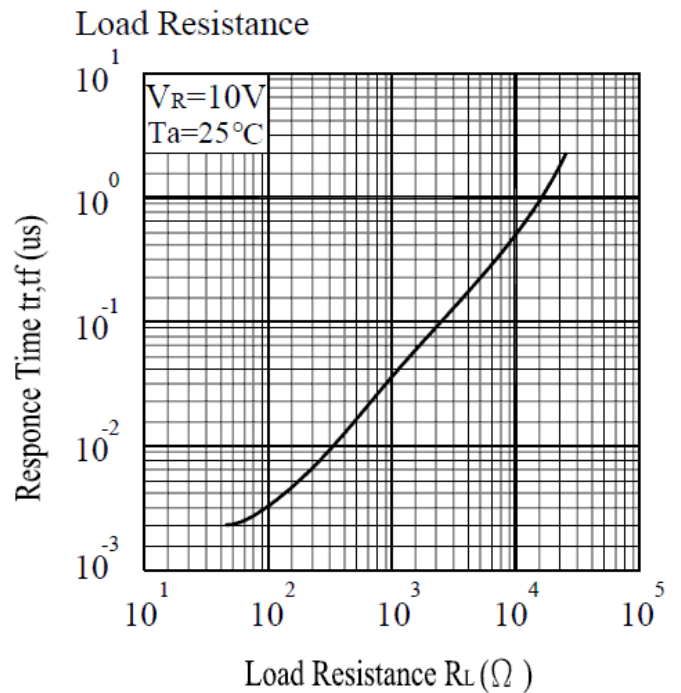


Fig.6 Response Time vs.



■ Packing Quantity Specification

1. 1000PCS/1Bag

■ Notes

1. Above specification may be changed without notice. SHUGUAN will reserve authority on material change for above specification.
2. When using this product, please observe the absolute maximum ratings and the instructions for using outlined in these specification sheets. SHUGUAN assumes no responsibility for any damage resulting from use of the product which does not comply with the absolute maximum ratings and the instructions included in these specification sheets.
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