

PSD PIN PD SMD datasheet

P/N : WP016A

Applications

Auto focus, Position sensor
SpO₂
IR Remote controls of various equipment



Features

Especially suitable for applications of 940nm
Short switching time

Package

4-Pin, clear epoxy, molded lead frame

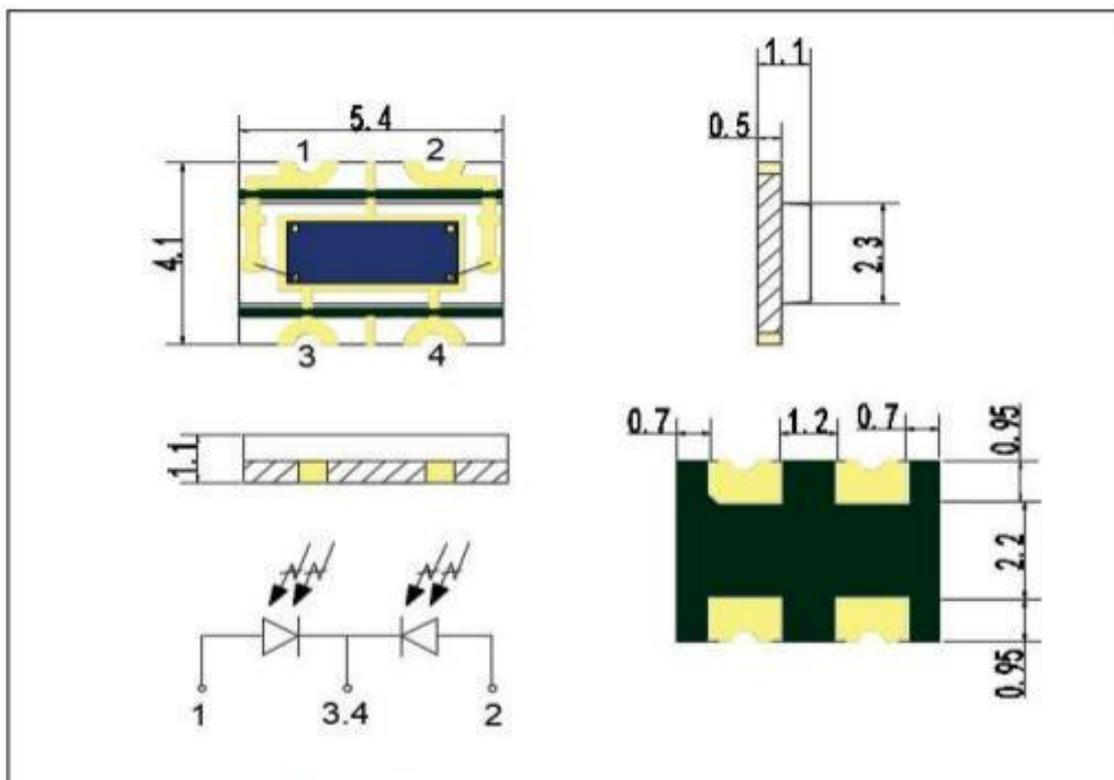
Electro-Optical Characteristics (@ Ta =25 °C)

Parameter	Symbol	Test Condition	Min.	Typ.	Max.	Unit
Forward Voltage	Vf	If=10mA	0.5	-	1.3	V
Reverse Voltage	Vbr	Ir=100μA, H=0	35	-	-	V
Reverse Dark Current	Id	Vr=10V	-	5	10	nA
Open Circuit Voltage	Vop		-	0.3	0.31	V
Light Current	IL		-	12	-	uA
Peak Sensing Wavelength	λp		-	940	-	nm
Sensitive Wavelength Range	λ		430	-	1100	nm

ABSOLUTE MAXIMUM RATING

Parameter	Rating
Operating Temperature	-25°C to 85°C
Storage Temperature	-40°C to 100°C
Soldering Temperature	≤260°C (260°C for 5 second)

Dimensions



- Notes:** 1.All dimensions are in millimeters
2.Tolerances unless dimensions $\pm 0.1\text{mm}$