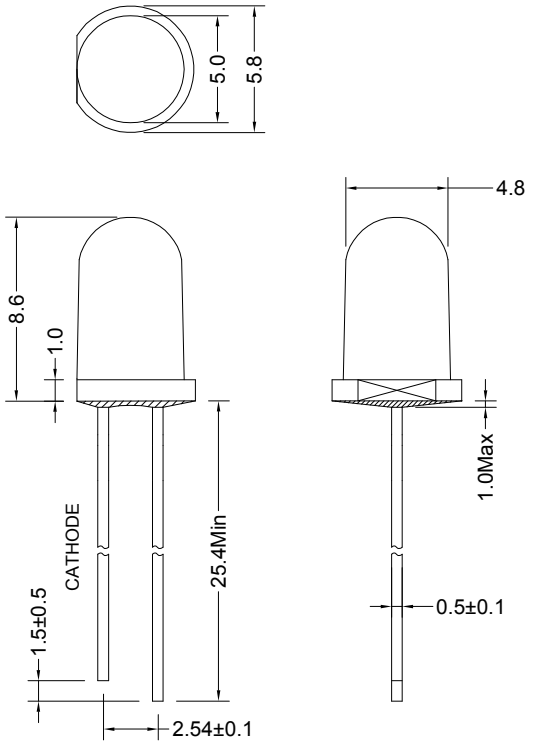
Ningbo Junsheng Electronics Co.,LTD.

JSTRONIC

Part No：JSL-502PD

Features：

- Emitting color:Photo Diode
- Lens color:Black
- IC compatible/Low Current capability
- High reliability and long life



Absolute maximum ratings（Ta = 25℃）

Parameter	Symbol	Test Condition	P		Unit
Reverse BrealdpwmVoltage	V_{BR}	----	60		V
Power Dissipation	P_d	----	100		mW
Operating Temperature	T_{opr}	----	-40	+85	℃
Storage Temperature	T_{str}	----	-40	+100	℃
Lead Solding Temperature	T_{sol}	1.60mm from body maximun 3 seconds	260		℃

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Electrical and optical characteristics（Ta = 25℃）

Parameter	Symbol	Test Condition	Values			Unit
			Min.	Typ.	Max.	
Light Current	I_L	V_R=5V H=5mw/cm^2 λ P=940nm	----	80	----	μA
Reverse Dark Current	I_D	V_R=10V H=0 mw/cm^2	----	----	30	μA
Short Circuit Current	I_{SC}	V_R=0V H=5mw/cm^2 λ P=940nm	50	----	----	μA
Reverse Breakdown Voltage	V_{BR}	I_R=100 μA H=0 mw/cm^2	35	----	----	V
Open Circuit Voltage	V_{OC}	V_R=0V H=5mw/cm^2 λ P=940nm	----	0.4	----	V
Peak Sensing Wavelengh	λ P		----	940	----	nm
Rise Time Fall Time	tr tf	R_L=1KΩ V_R=10V	----	45	----	ns
Junction Capacitance	C_T	V_R=5V H=0mw/cm^2 f=1.0MHZ	----	5	----	PF
Viewing Angle	2θ 1/2	I_F=20mA	----	50	----	deg.