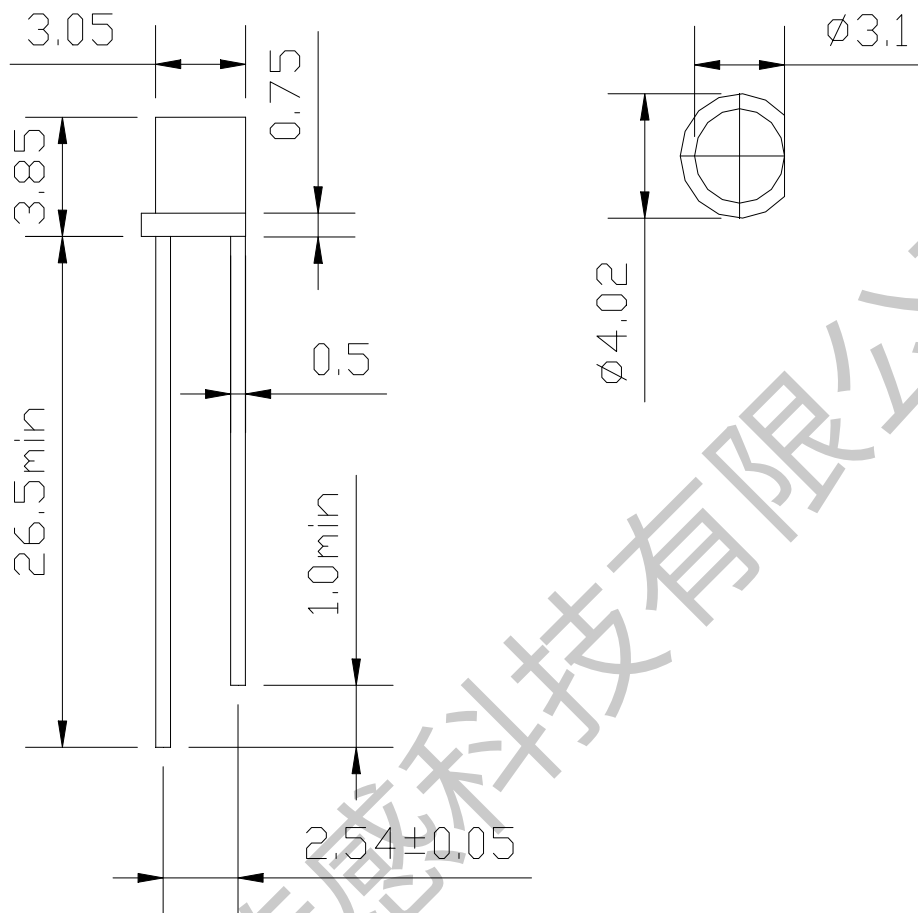


Environmentally friendly photosensitive se !

Product function

1. (CdS) ROHS
Replace Photoresistors(Cds),RoHS Compliance/Pb-free/Cd-free.
2. LCD
adjust background light automatically,LCD,mobile phone,camera,Computer Camera etc
3. Suitable for all kinds of light control products and light control system

Product Dimensions



Note

1.

Long foot positive pole Short pin negative
mm , $\pm 0.15\text{mm}$

Unit: mm $\pm 0.15\text{mm}$

2.

The appearance color of colloid shall be subject to the sample

3.

1.0mm

Protruded resin under the base is 1.0mm maximum.

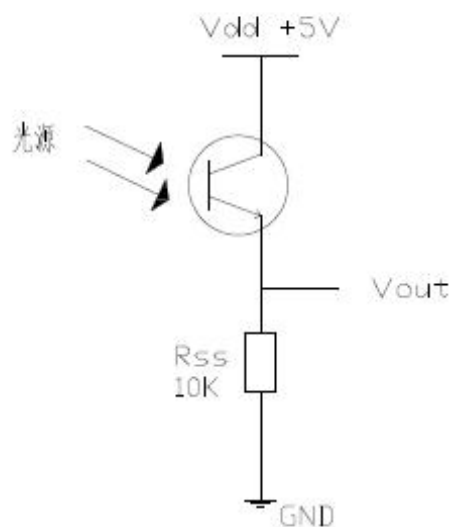
Ta=25 MAXIMUM RATING (TA = 25 °C)

Parameter name	Symbol	Rating	Unit
Collector-Emitter Voltage	V_{CEO}	2-20	V
Emitter-Collector Voltage	V_{ECO}	5	V
Consumption	P_c	70	mW
Working temperature	T_{opr}	-25 85	°C
Storage temperature	T_{stg}	-40 100	°C

Ta=25 ELECTOR-OPTICAL CHARACTERISTICS (TA = 25 °C)

Parameter	Symbol	Testing conditions	Min.	Typical Value	Max.	Units
Photo-current	$I_L(1)$	$V_{DD}=5V, E_v=10Lux$	18	25	30	μA
	$I_L(2)$	$V_{DD}=5V, E_v=50Lux$		75		μA
	$I_L(3)$	$V_{DD}=5V, E_v=100Lux$		250		μA
Dark Current	I_{CBO}	$V_{DD}=5V, E_v=0Lux$			0.2	μA
Photosensitive peak wavelength	λ_p	\		850		nm
Sensitivity wavelength range	λ_d	\	450	900	1050	nm

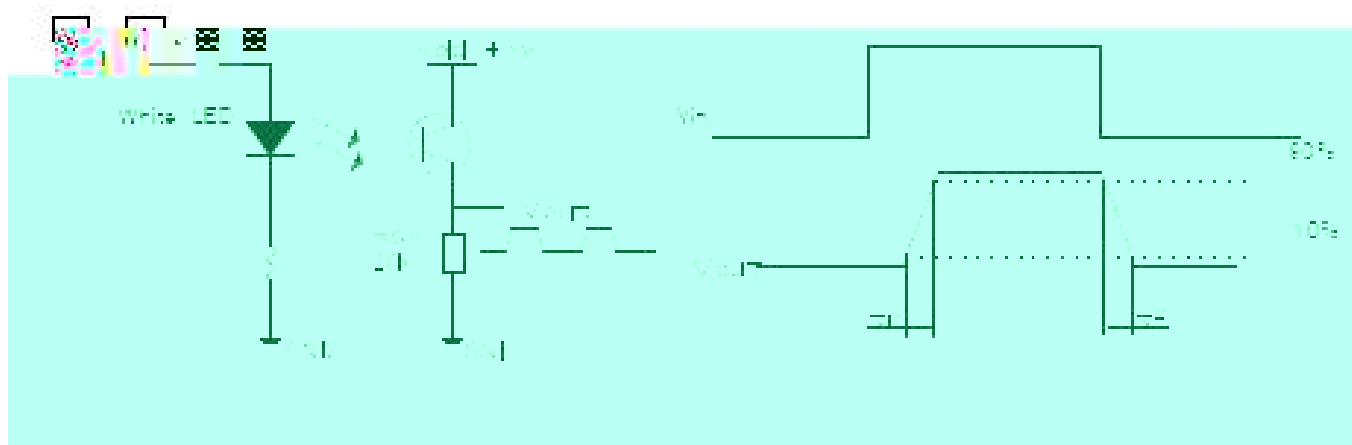
Test schematic



$$\text{Photocurrent} = V_{\text{out}} / R_{\text{ss}}$$

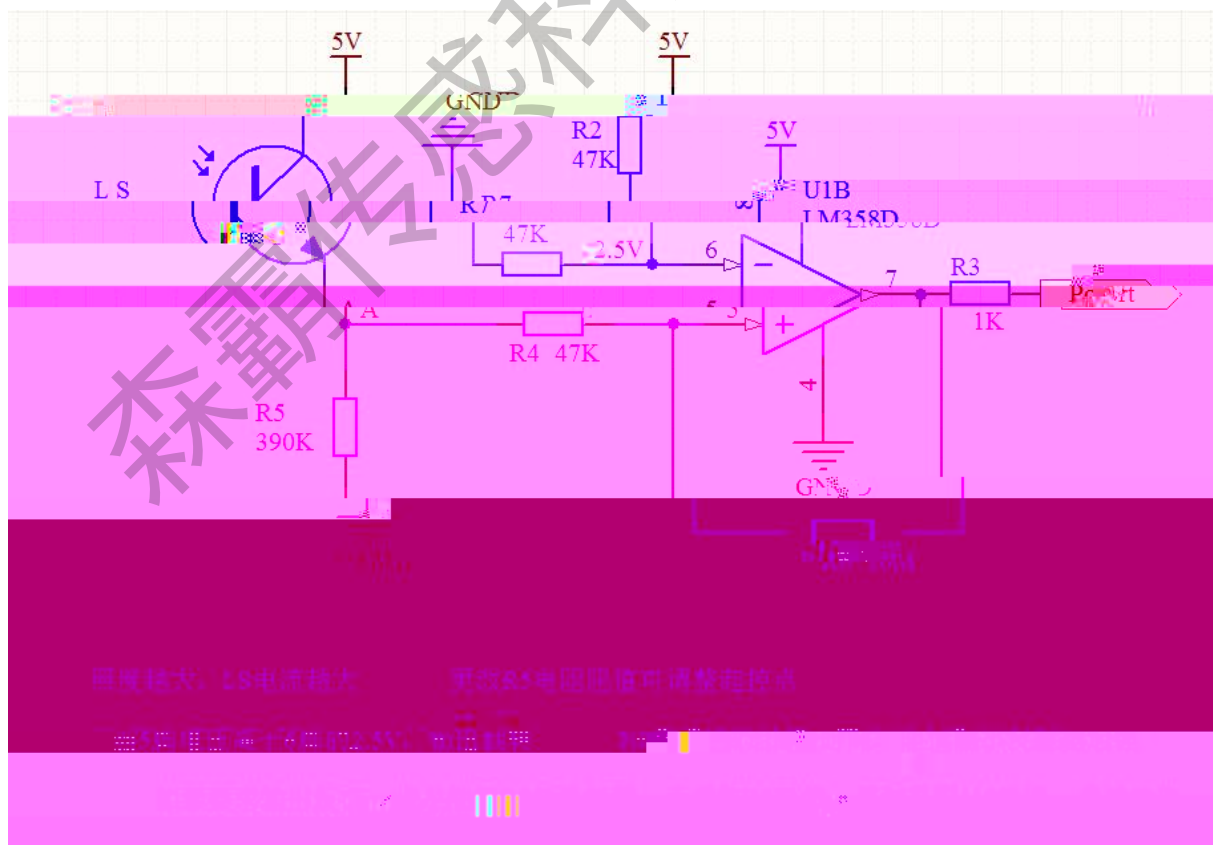
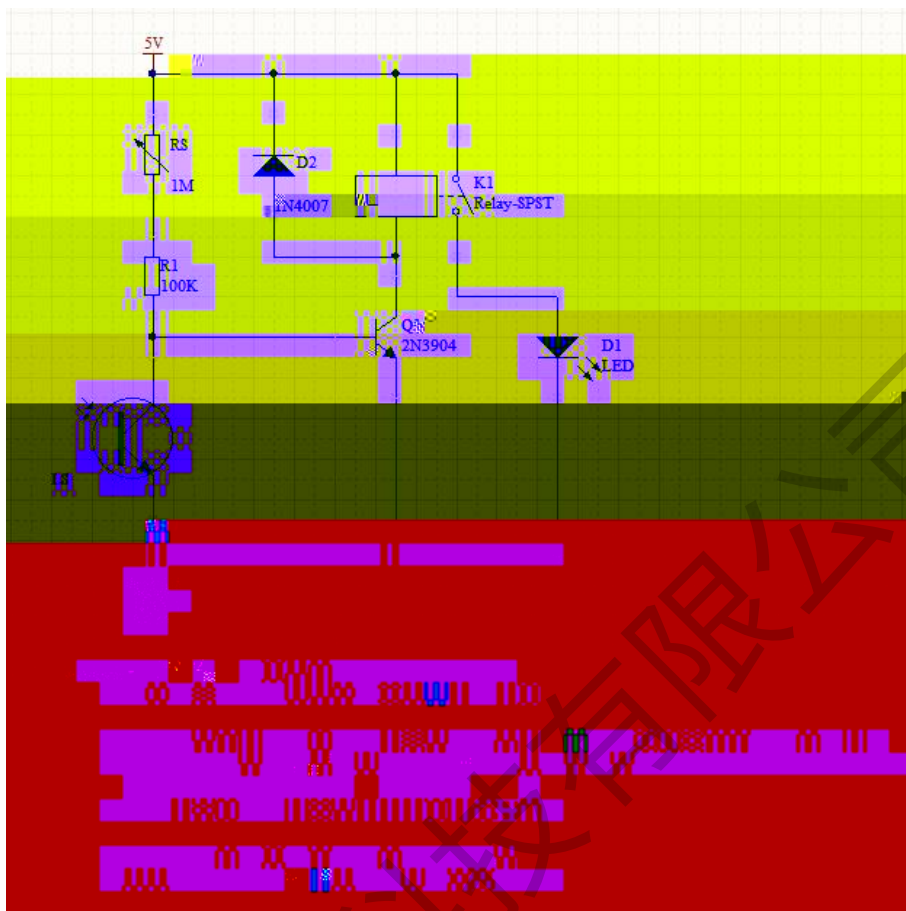
* R_{ss}

High stable resistance is recommended for R_{ss}

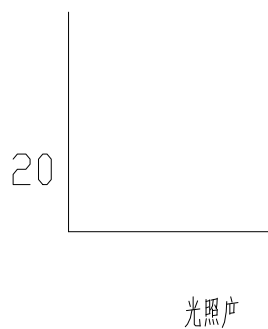


Measurement method of sw

Reference circuit



Typical photoelectric characteristics curves



Test Parameter

Reference Criterion

Test Condition

Resistance to Solder

Recommended Soldering Conditions

Mode

Condition

Manually



Precautions

1. 0 +30℃ 70% 3

The storage conditions of the product after leaving the factory shall be 0 to + 30 °C, the relative humidity shall not be more than 70%, and the storage period shall be 3 months. If the storage period is more than 3 months, the product shall be placed in a closed container with nitrogen or desiccant, and the storage period may be up to one year

2. 0 +30℃

Once the package is opened, the products should be used up as soon as possible . If it is not used up, it should be stored in a dry place .