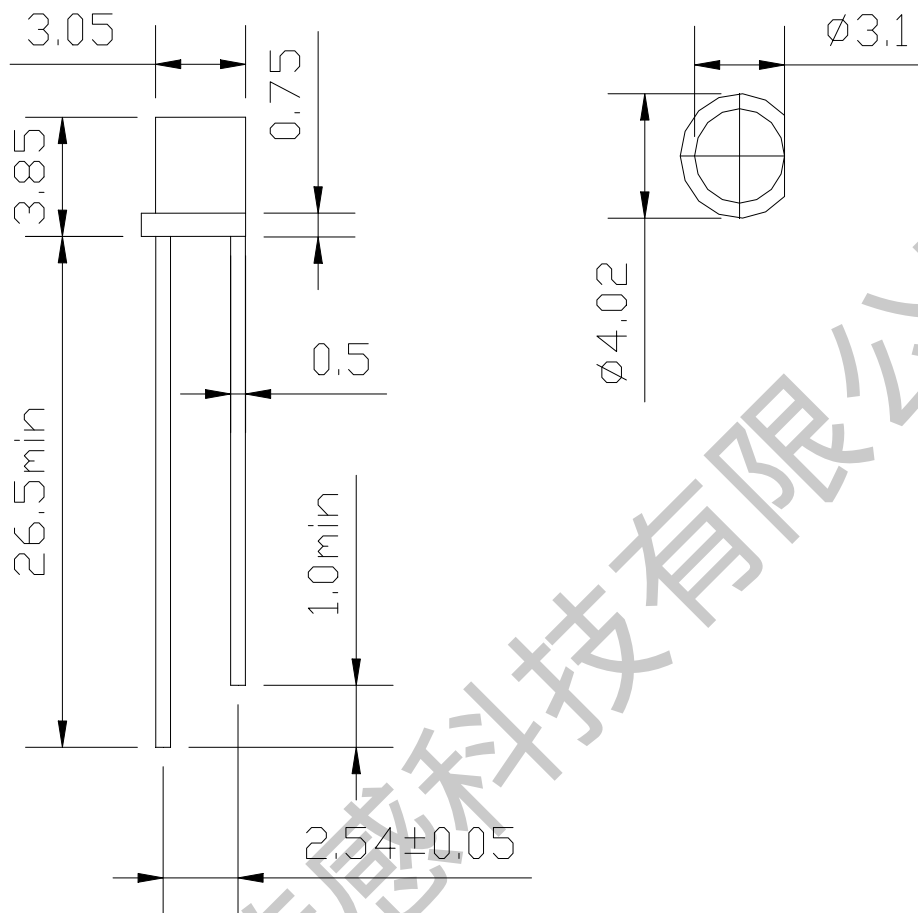


Environmentally friendly photosensitive se !

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.
- ⑧." κ m m]@ ëñB@ ð€ " P B p†`cyl κø\$ € ñ# V€" b"P7"• @ ëñB@ ð€ " P "
- Suitable for all kinds of light control products and light control tool _ A €t

Product Dimensions



Note

1. Long foot positive pole Short pin negative
mm , 0.15mm
Unit: mm 0.15mm
2. The appearance color of colloid shall be subject to the sample
3. 1.0mm
Protruded resin under the base is 1.0mm maxium.

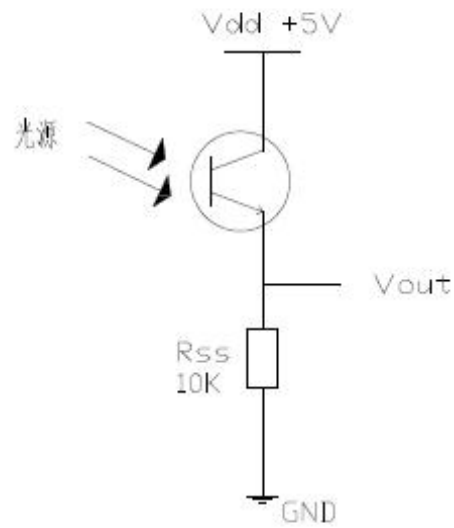
Ta=25 MAXIMUM RATING (TA = 25 ºC)

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	ºC
Storage temperature	T _{stg}	-40 100	ºC

Ta=25 ELECTOR-OPTICAL CHARACTERISTICS (TA = 25 ºC)

Parameter	Symbol	Testing conditions	Min.	Typical Value	Max.	Units
Photo-current	I _L (1)	V _{DD} =5V, E _V =10Lux	18	25	30	×A
	I _L (2)	V _{DD} =5V, E _V =50Lux		75		×A
	I _L (3)	V _{DD} =5V, E _V =100Lux		250		×A
Dark Current	I _{CEO}	V _{DD} =5V, E _V =0Lux			0.2	×A
Photosensitive peak wavelength	λ _p			850		nm
Sensitivity wavelength range (λ _c & λ _s)	λ _d		450		1050	nm

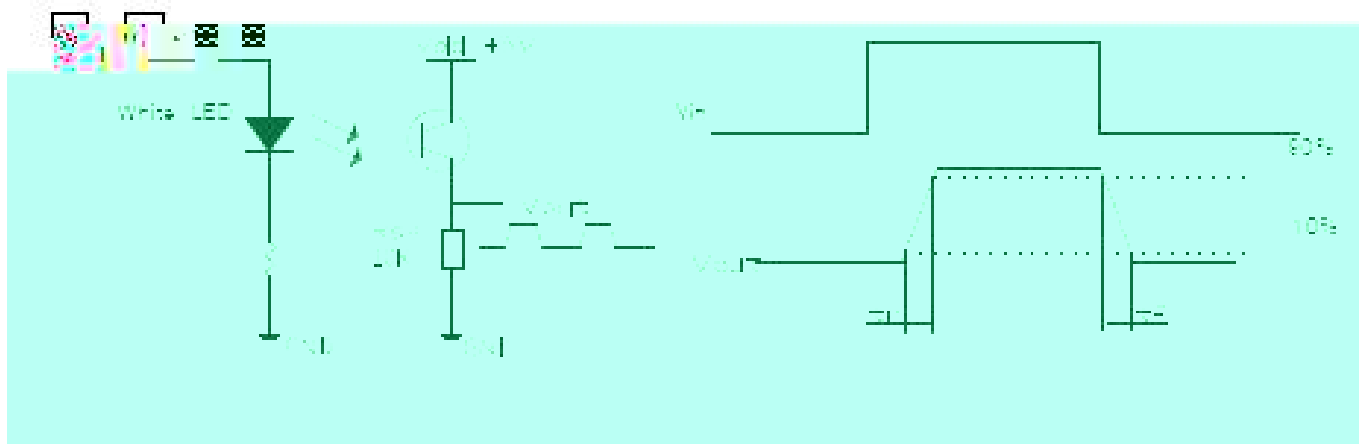
Test schematic



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

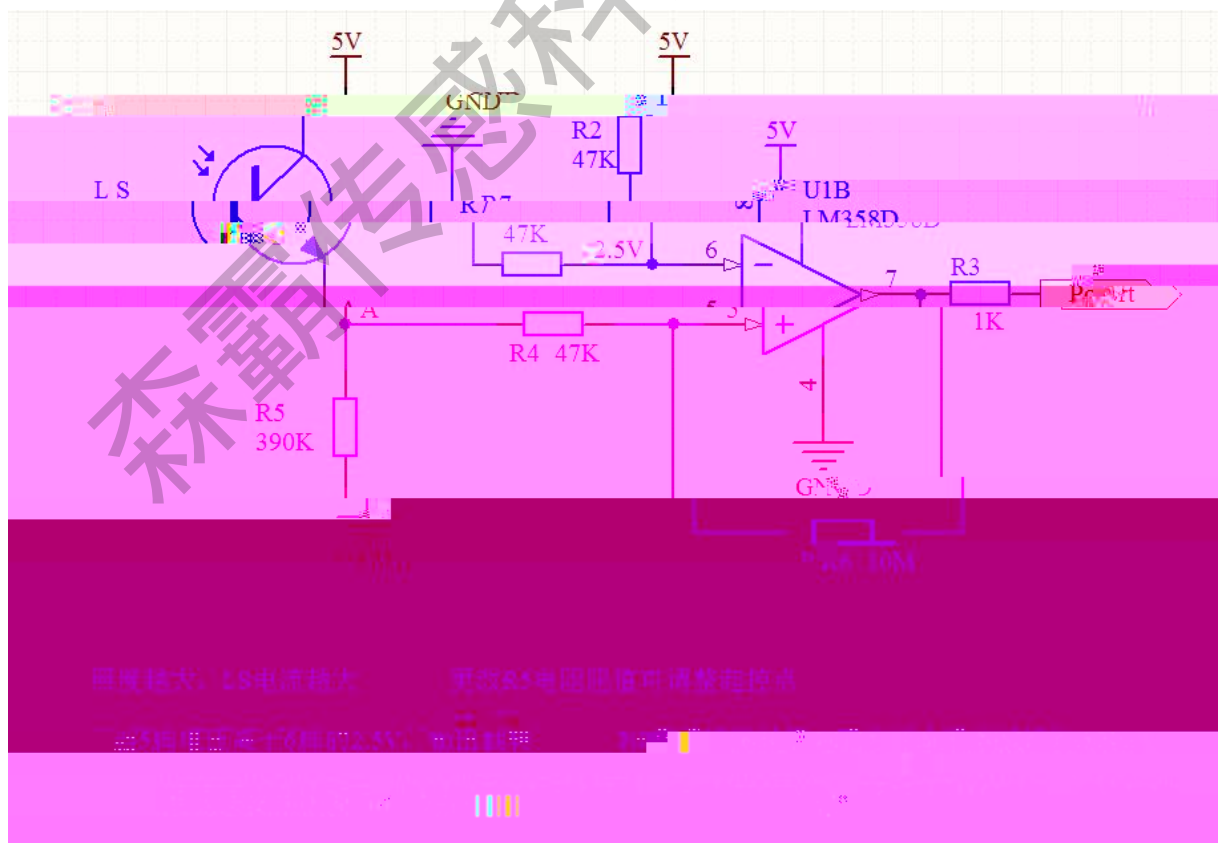
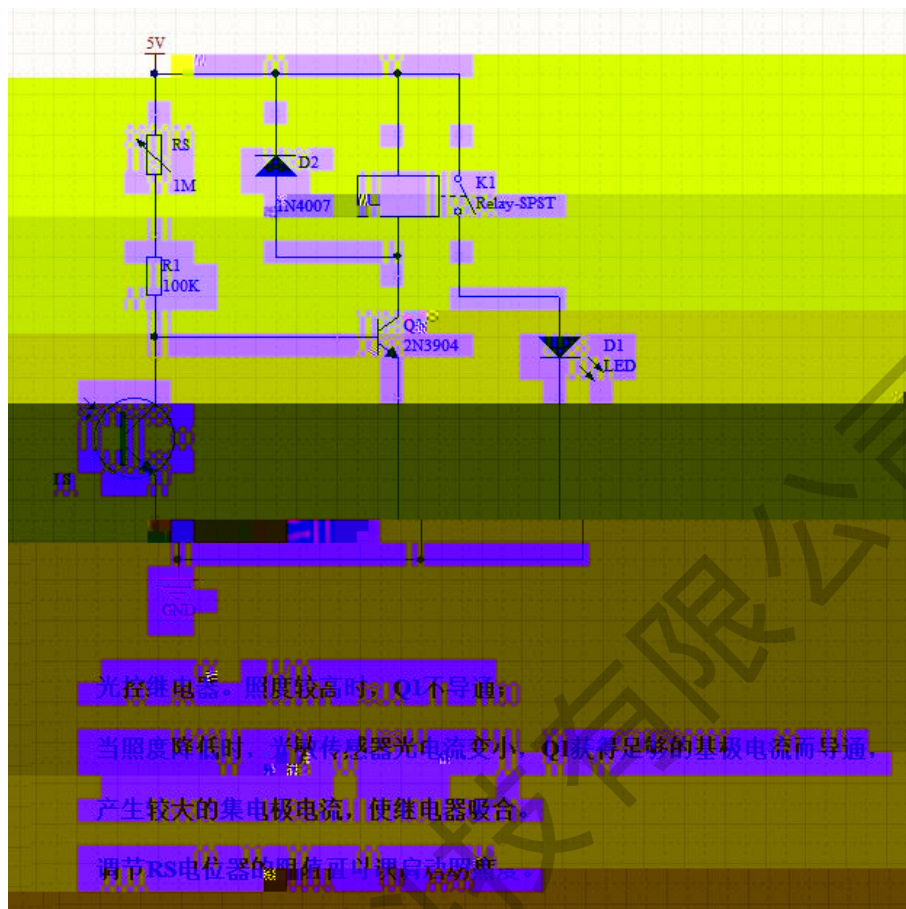
* R_{ss}

High stable resistance is recommended for R_{ss}

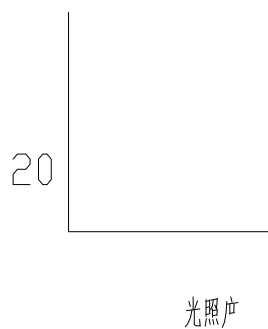


Measurement method of sw

Reference circuit



Typical photoelectric characteristics curves



Ac/RE

Recommended Soldering Conditions

Mode

Condition

Manually

Precautions

1. 0 +30°C 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°C h 60% sp s u g + u t . e h

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 .

For the storage and use of the product, please refer to the following instructions.

