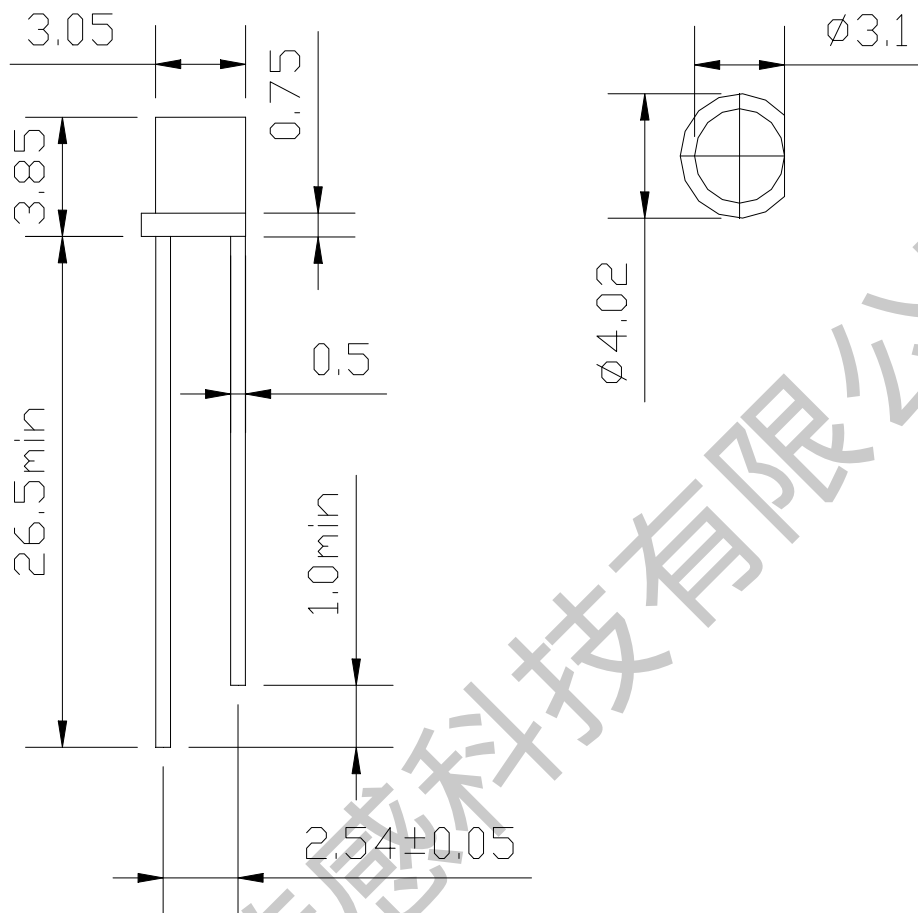


Environmentally friendly photosensitive se !

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 tom

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.

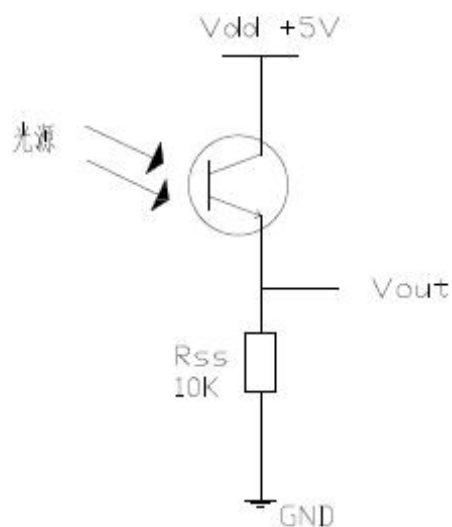
Ta=25 MAXIMUM RATING (TA = 25 ºC)

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 _d		450	900	1050	nm

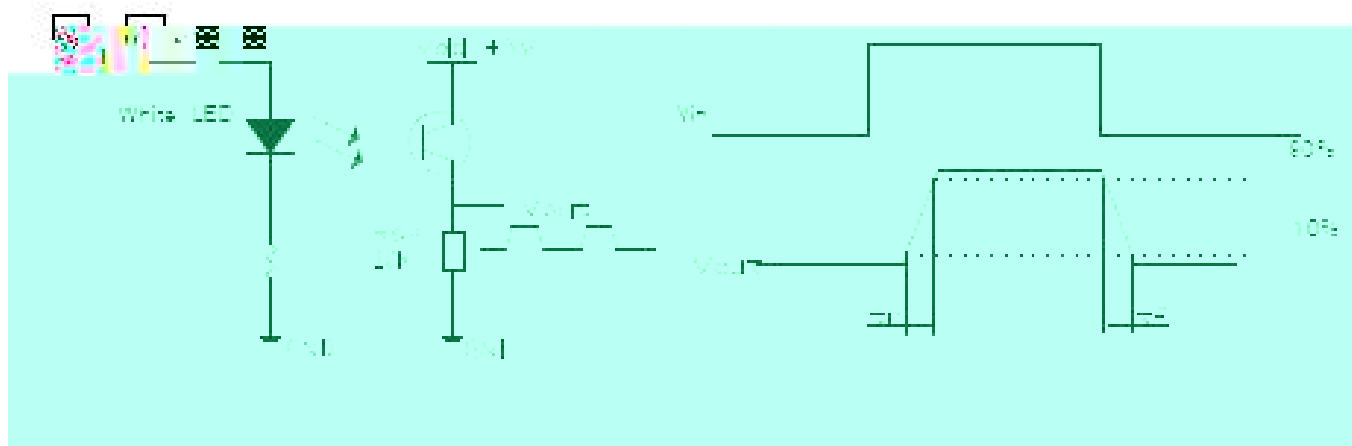
Test schematic



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

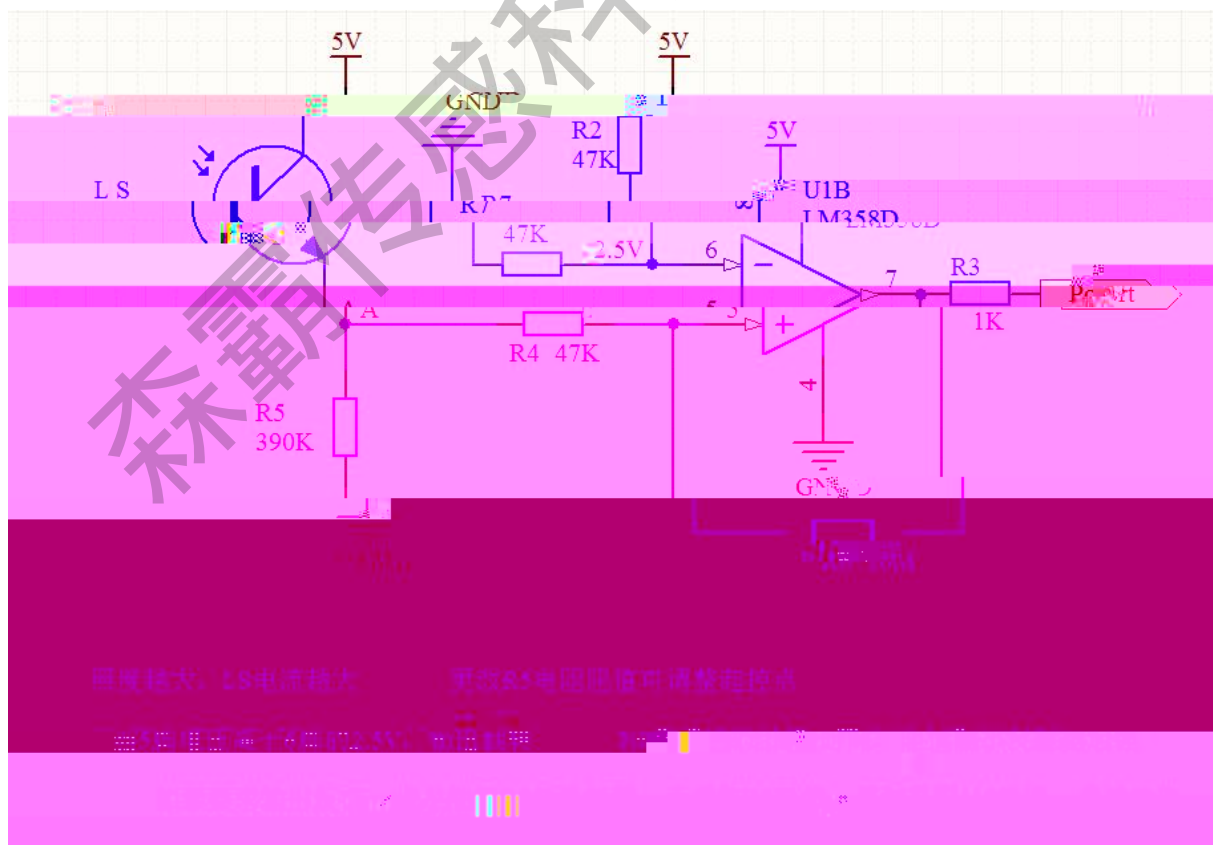
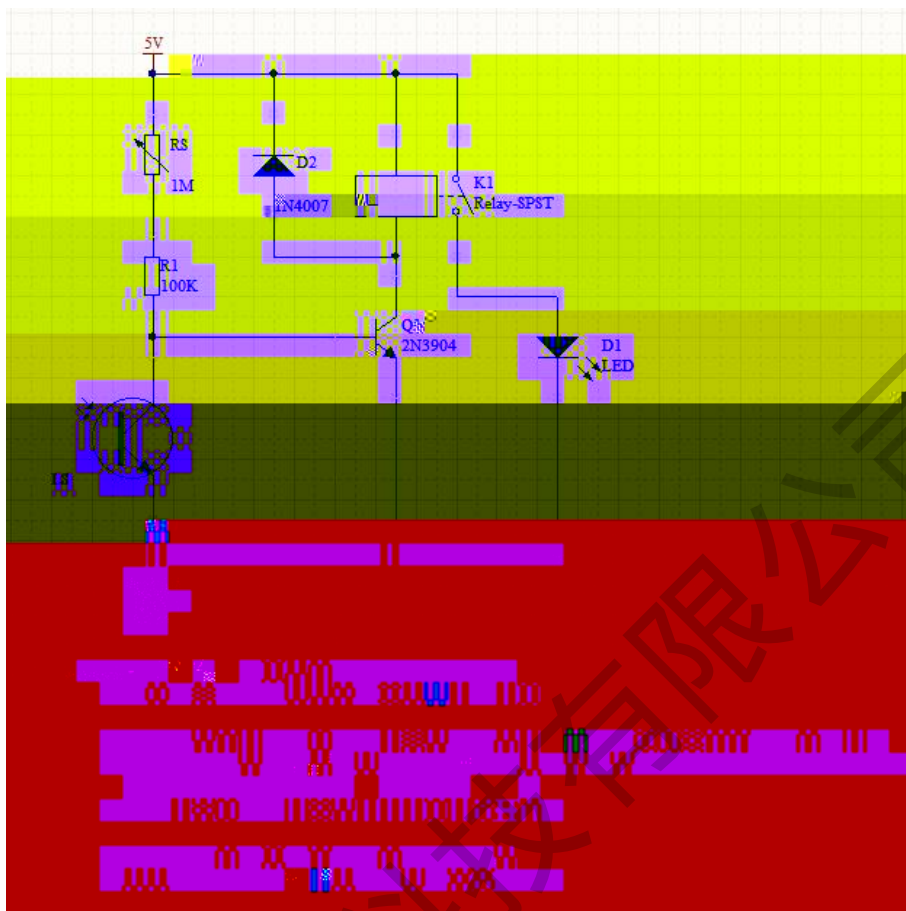
* R_{ss}

High stable resistance is recommended for R_{ss}

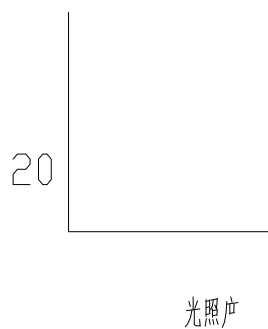


Measurement method of sw

Reference circuit



Typical photoelectric characteristics curves



Ac/RE

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℃ 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, and the storage period should be within one year