
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 toys,such as night lamp etc.
4.
- Suitable for all kinds of infrared light detection and testing equipment

Product Features

1.

850nm
- Peak sensitive wavelength 850nm
2.
- Low Power Consumption
3.
- High reliability
4.
- Perfect consistency, completely solve the problems of early start or poor consistency of the lamp.
5.

+85

/65%

1000H
- Fast response, stable performance, no drift at 1000h starting point under + 85 / 65% humidity condition
6.
- Size customized, easy for Installation.

Product Dimensions

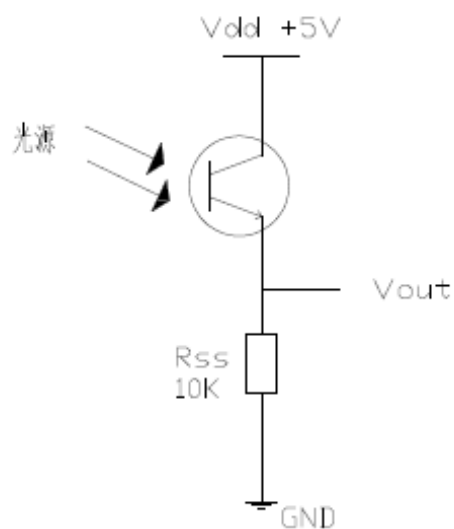
Note		
1.	1	2

Ta=25 MAXIMUM RATING (TA = 25 ° C)

Parameter name	Symbol	Rating	Unit
- Collector-Emitter Voltage	V _{CEO}	20	V
- Emitter-Collector Voltage	V _{ECO}	5	V
Consumption	P _c	70	mW

Workin4 T/P #MCI5 1 0 0 cm341.5900 712.7800 0.960.ef*QE800 ref*QEMC/P #MCID 66B

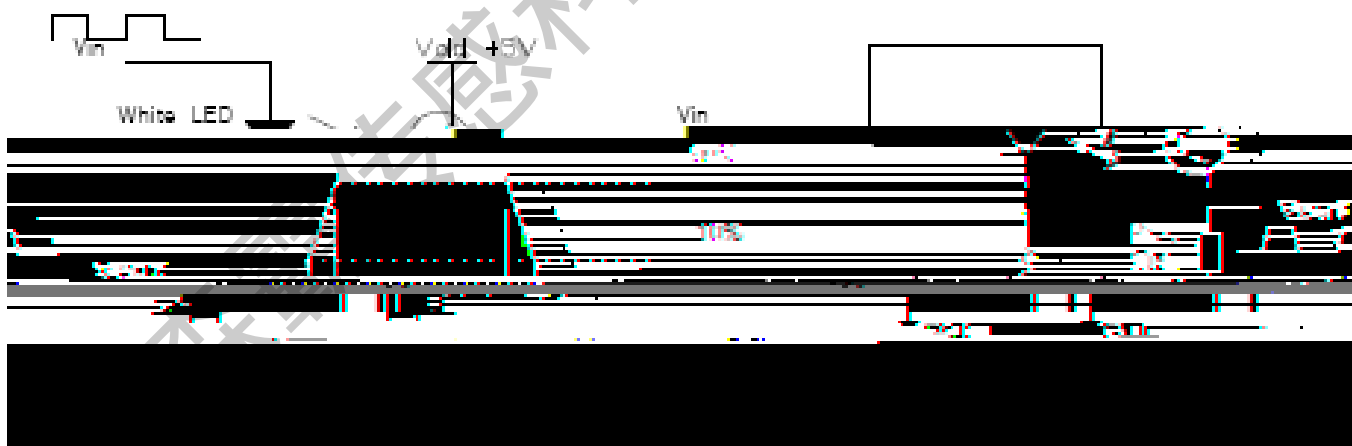
Test schematic



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

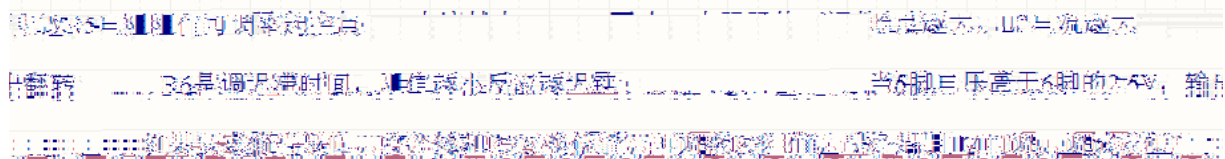
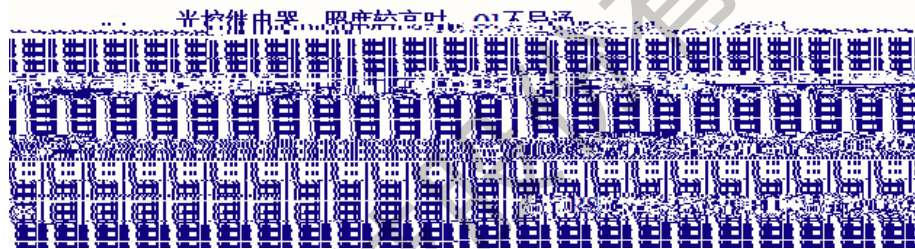
* R_{ss}

High stable resistance is recommended for R_{ss}

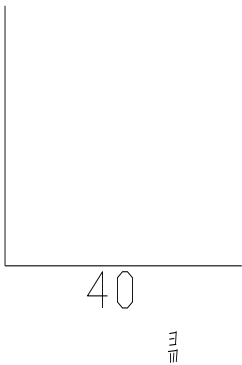
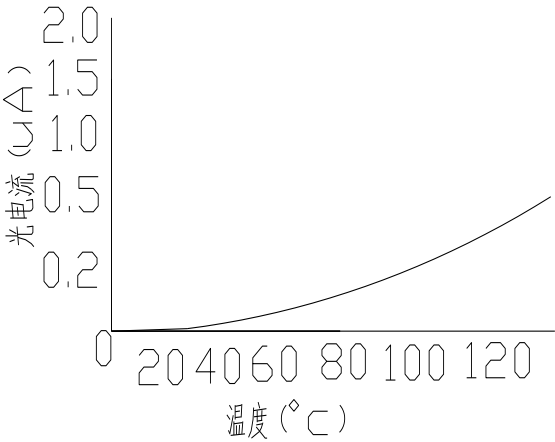
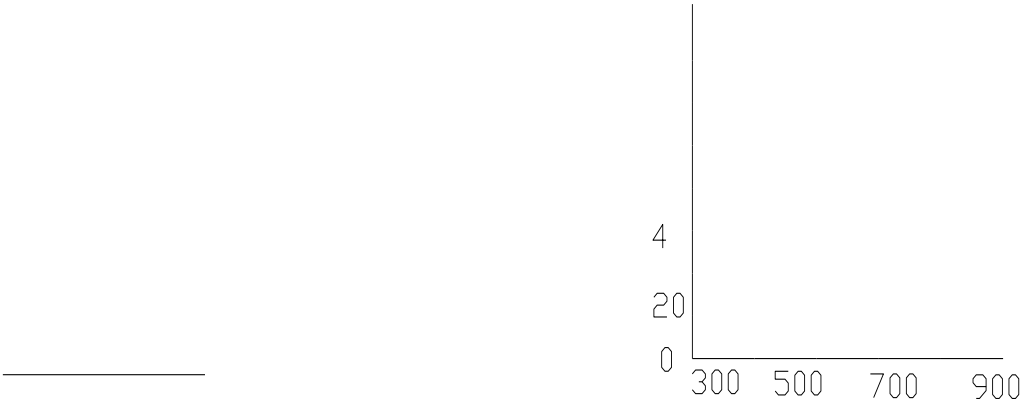


Measurement method of switching time

114



Typical photoelectric characteristics curves



Reliability Test

Test Parameter	Reference Criterion	Test Condition	Time	Quantity	/ Ac/RE
Resistance to Solder Heat	JESD22-B106	260 ±5	10sec	30PCS	0/1

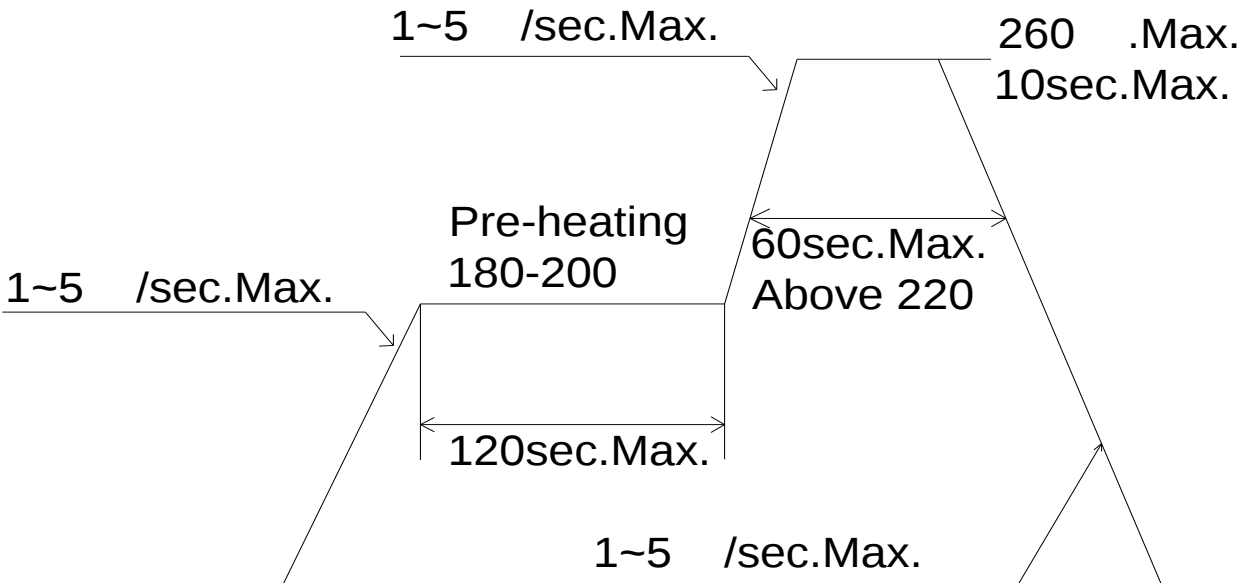
Thermal Cycle

JESD22-A104

110

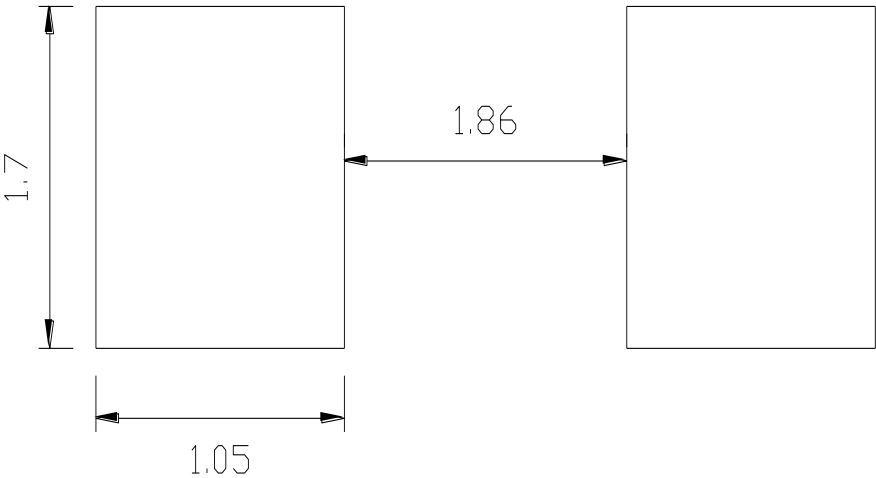
Soldering Profile Suggested

lead-free solder



Notes Number of reflow process shall be less than 2 times and cooling process to normal temperature is required between first and Second soldering process.


: Recommended Soldering Pattern Units:mm



Precautions

1.