

Solar LED driver

YX8018

Overview :

YX8018 Is 1 Or 2 Pieces 1.25V Charging power

In the pond led Lights up stably. The light of the sun is saw

When it hits the battery, it charges the rechargeable battery and

With a rechargeable battery charged at night led Dot

Light, automatic switching ..

Specialty :

High efficiency : 80 ~ 90 %

Fewer peripheral parts : Inductor 1 Only

Low voltage battery protection function

Adjust current with inductor

package: TO-94

Pin number	name	function
1	Lx	Switch drain
2	GND	GND
3	CE	Negative electrode of solar battery, EN control / charge control
Four	VDD	Positive electrode of solar battery

Basic circuit (1 1.25V solar battery, 1 LED, 1 Inductor)

1. LED (white, blue, green)

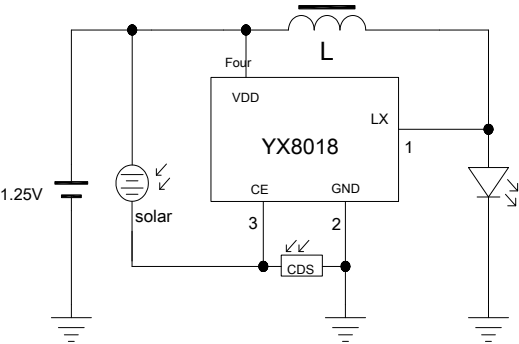


Figure 1-1 Using CDS

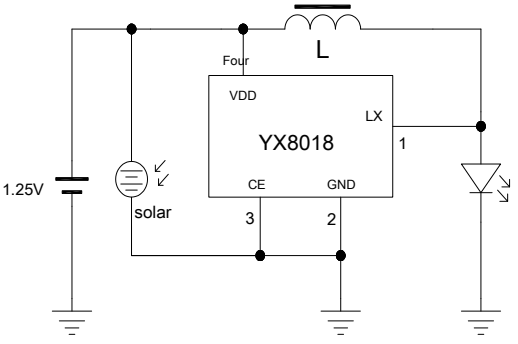
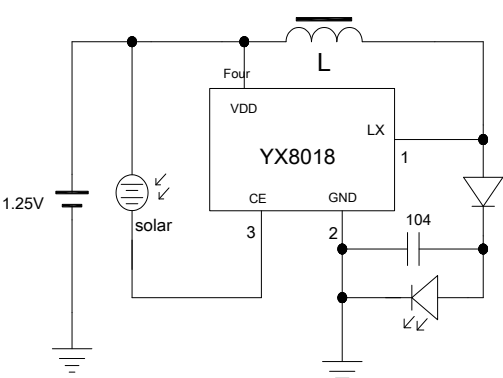
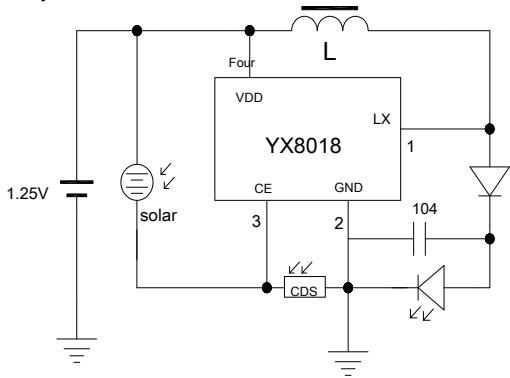


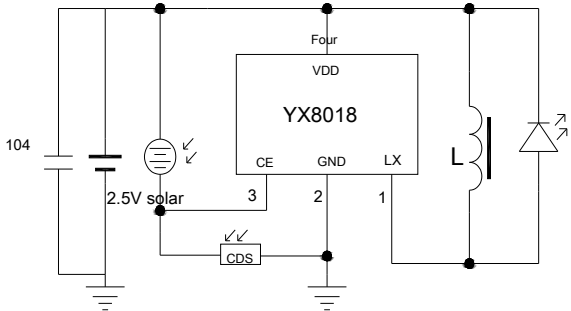
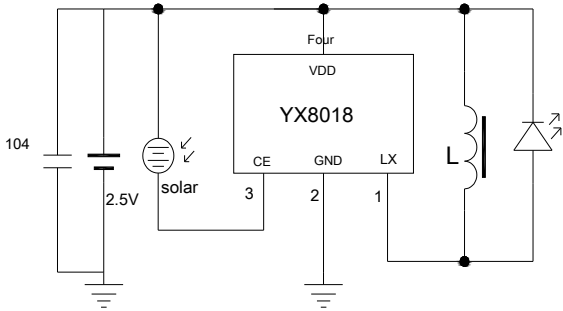
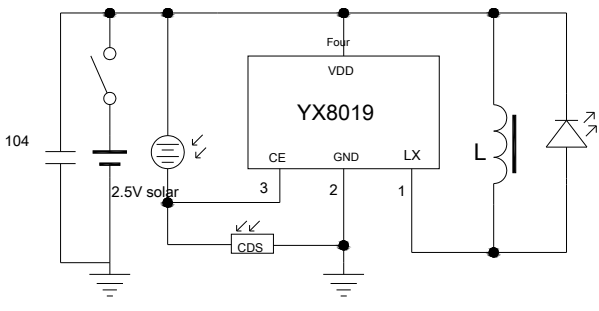
Figure 1-2 Do not use CDS

twenty two.. 7-color Illumination LED



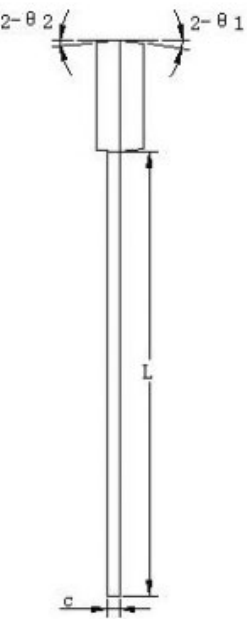
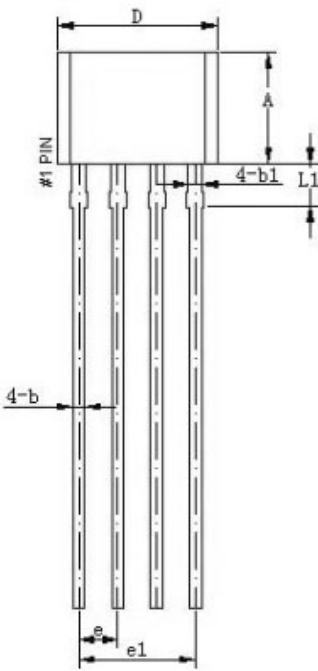
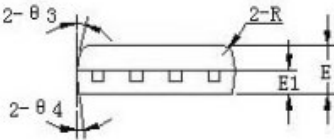
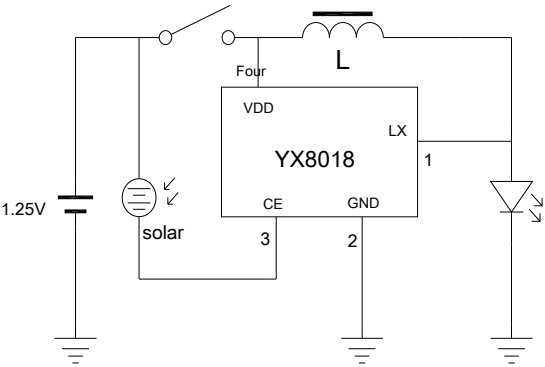
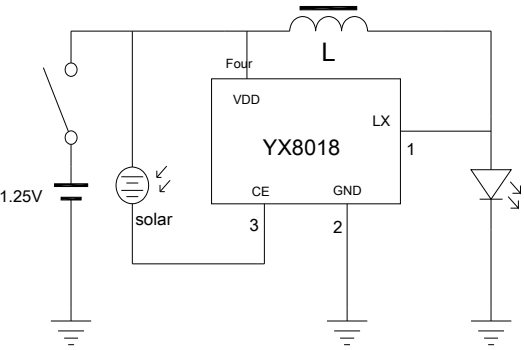
1.25V			
InnDaDaKuta	Package	led	DenFlow
560uH	0307	1 LED	3.0mA
220uH			7.0mA
150uH			10mA
82uH			15mA
68uH			21mA
47uH	0410	2 LEDs	30mA

Application 2 (1.25V rechargeable battery x 2)



2.5V			
InnDaDaKuta	Package	led	DenFlow
330uH	0307	1 LED	3.2mA
220uH			4.2mA
150uH			5.4mA
82uH			10.6mA
68uH			14.6mA
47uH			21.4mA
33 uH			29.5 mA

Suit ChCh's Contentioned



符号	机械尺寸/mm		
	最小值	典型值	最大值
A	3.55	3.65	3.75
b	0.35	0.39	0.56
b1		0.46	
c	0.36	0.38	0.51
D	5.12	5.22	5.32
E	1.46	1.56	1.66
E1		0.76	
e		1.27	
e1		3.81	
L	13.5	14.5	15.5
L1		1.42	
R		0.3	
θ1		6°	
θ2		4°	
θ3		11°	
θ4		6°	