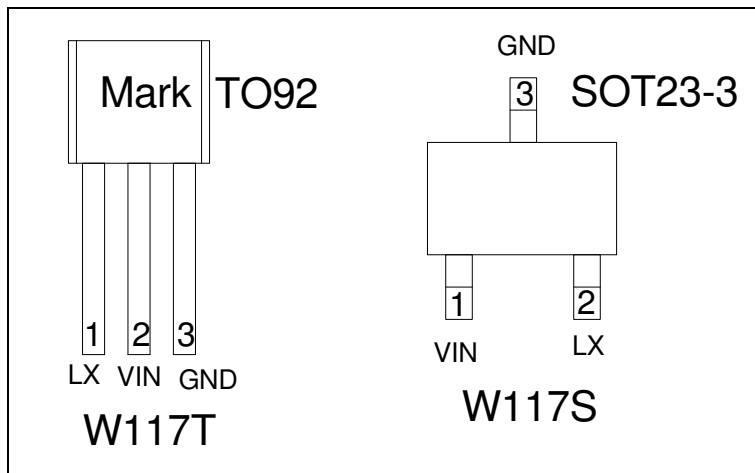


**■ Features**

- Cost effective (saves space and battery cost)
- Low voltage application: 0.8-1.5V
- High efficiency: 80% up.
- Used 0.8~1.5V DC drive (such one piece of AA or AAA size battery )

**■ Applications**

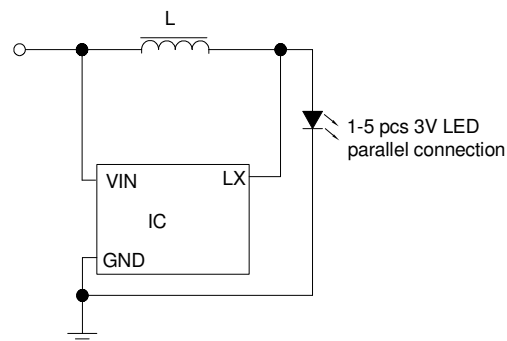
- Flashlight
- Toy
- Other Lighting



**■ Recommendation Application**

Item	Application conditions or specifications	Value	Unit
In Put Voltage	1pc battery	0.8-1.5	V
Inductance	1pc Inductance	47	uH
Operating Load	3V (TYP.) LED Parallel connection	1~5	PCS

**■ Recommendation Application circuit diagram**



\*Note

- 1: Adjust external L inductance value can be changed the working current and the brightness of LED.
- 2: If LED load current > 100mA. Please choose external L inductance dc resistance < 0.5 ohm.

**■ Test data (L=47uH Color circle Coils )**

Vi(V)	Ii(mA)			Io(mA)		
	1PC LED	3PCS LED	5PCS LED	1PC LED	3PCS LED	5PCS LED
1.5	114	189	230	30	54	67
1.4	96	158	193	25	45	56
1.3	80	128	158	20	36	46
1.2	64	100	123	16	28	35
1.1	56	73	90	13	20	25
1.0	53	56	59	11	13	16
0.9	45	47	47	8	11	11
0.8	35	36	36	5	6	6