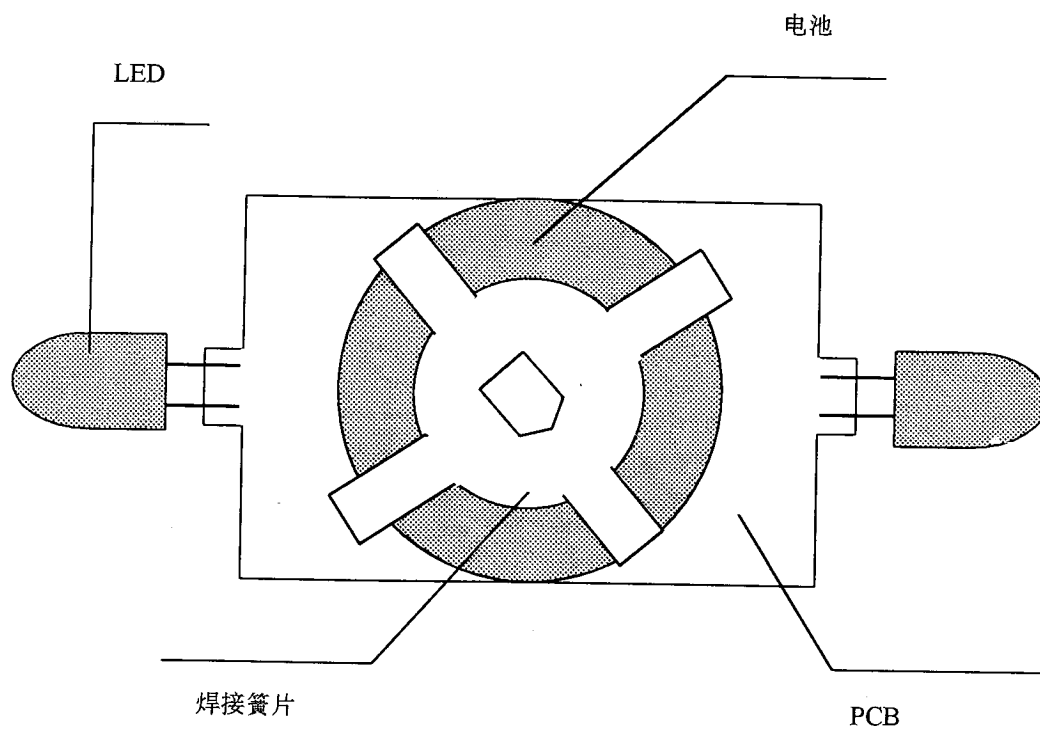
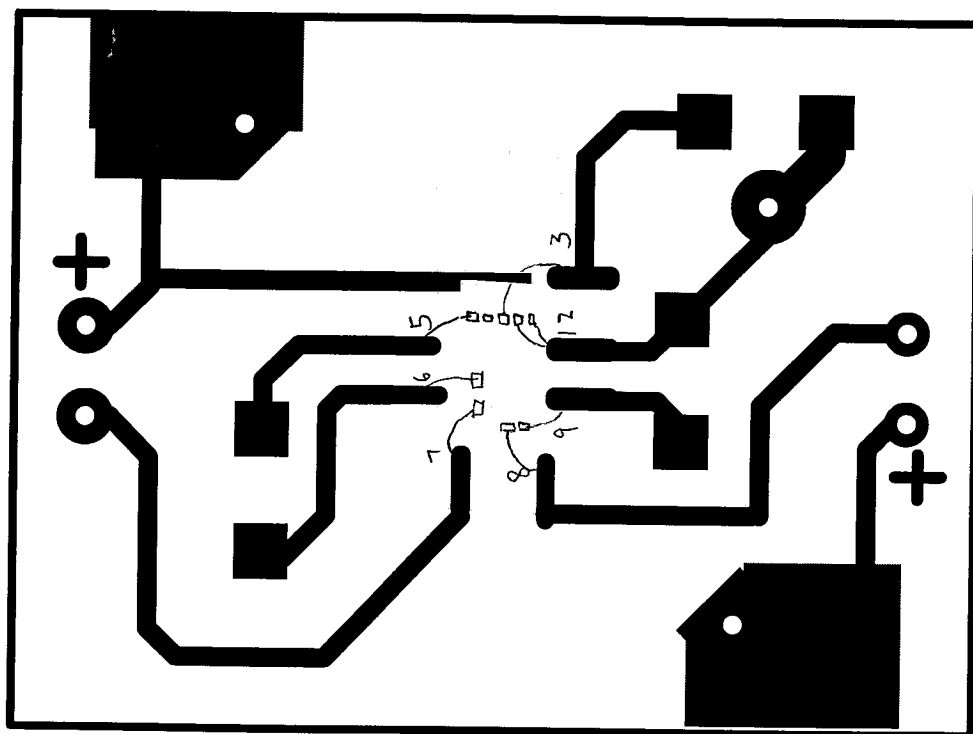


PS: 附件为一产品外形图, 供参考。



SS0705-01

COB与PCB管脚对应关系图.



Feature

- * Single 3V battery operation <http://www.icasic.com/> TEL: 0755-83387030 FAX:0755-83376182 E-MAIL:szss20@163.com
- * Low stand-by current
- * External Resistor required for oscillation
- * Direct drive LEDs (open-drain output)

General Description

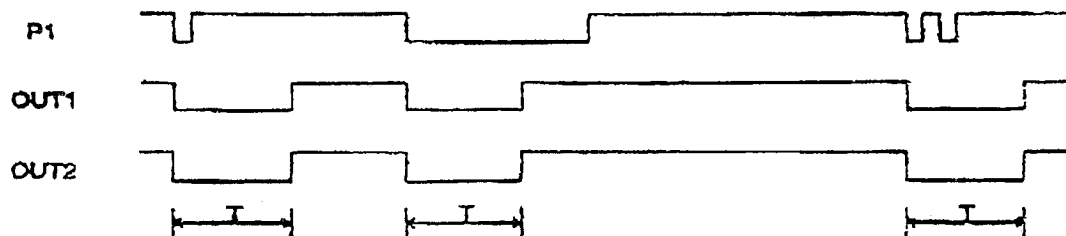
The HK SS0705 is a CMOS LSI LEDs driver circuit.

An automatic cut off function is built in to lower the current consumption.

The metal mask can be modified in order to adjust the pulse length to a particular value.

Model	Mode	pulse length (sec.)
SS0705-01	push once play once	$120 \pm 10\%$

Timing Diagram

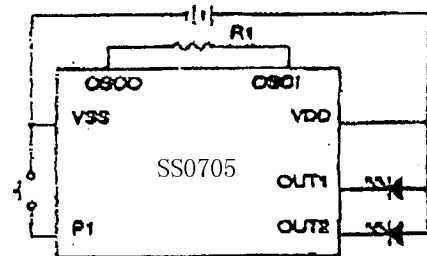


$$T = 120 \text{ sec} \pm 10\%$$

Application Circuits

Connect the circuit as Fig.2.

When the switch SW1 is pressed, the push once play once mode is selected and the LEDs will flash as in Fig.1



DS-SS0705-01-001

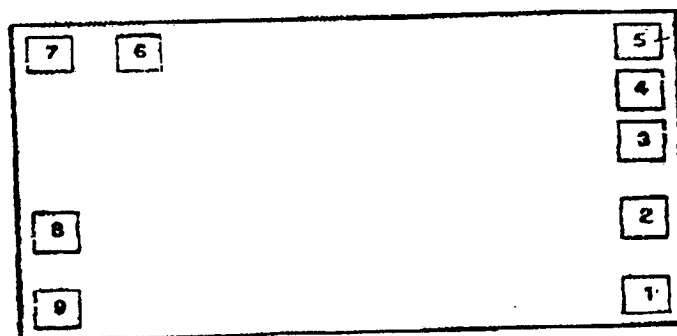
SS0705-01

Electrical Characteristics

Parameter	Symbol	MIN	TYP	MAX	Units	Conditions
Operating Voltage	V_{DD}	2.0	3.0	3.6	V	
Standby Current	I_{DD1}	-	0.1	2.5	μA	No Playing P1 Open
Current Consumption	I_{DD2}	-	50	100	μA	Playing OUT1,OUT2 Open
Input Current (P1)	I_{IL}	-	8	18	μA	$V_L=0.8V$
	I_{IH}	-	0.5	1		$V_H=3.0V$
Output Current (out1,out2)	I_{OL}	10	16	-	mA	$V_{OL}=0.5V$
Oscillating frequency	F_{osc}	14.7	16.4	18.0	KHz	Ext. resistor = $1M\Omega$
Oscillating Start Voltage	V_{STP}	2.0	-	-	V	

Absolute Maximum Rating

Parameter	Symbol	Limits	Units
Supply Voltage	$V_{DD} - V_{SS}$	-0.3 ~ +5.0	V
Input Voltage	V_{IN}	$V_{SS} - 0.2 - V_{DD} + 0.2$	V
Operation Temp.	T_{OPR}	-10 ~ 60	$^{\circ}C$
Storage Temp.	T_{STO}	-55 ~ 125	$^{\circ}C$

Bonding Diagram**Pad Location**

NO.	Pad Name	X	Y	NO.	Pad Name	X	Y
1	VSS	1219	32	6	OSCO	216	733
2	P2	1219	253	7	OUT1	30	733
3	P1	1219	462	8	OUT2	30	218
4	T1	1219	607	9	VDD	30	32
5	OSCI	1219	733	10			

Note

- * The location of a pad is given in terms of bottom left corner coordinates.
- * Chip size : 1445 x 960 μm^2 (include scribe)
- * Substrate is connected to VDD.

Reserves the right to make changes to the specification in this data sheet in order to improve design of performance and to supply the best possible product.

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