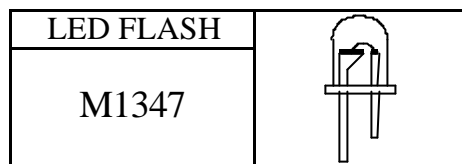




CDS , ON/OFF , OSH  
RGB LED IC

三色燈 LED IC



### FEATURES 功能敘述

- Auto : 6 段自動調速.
- S1、S2 : 4 段花樣選擇.
- Pause : 色彩及亮度暫停功能.

#### \* M1347-1

S1	S2	SECTION	FUNCTION
X	X	1	1/2 Phase
VSS	X	2	七彩漸明漸暗
X	VSS	3	七彩變化
VSS	VSS	4	多彩變化

### APPLICATION 產品應用

Blinking LED, Function indicator, R.G.B Mix etc..

### ELECTRICAL CHARACTERISTICS 電氣規格

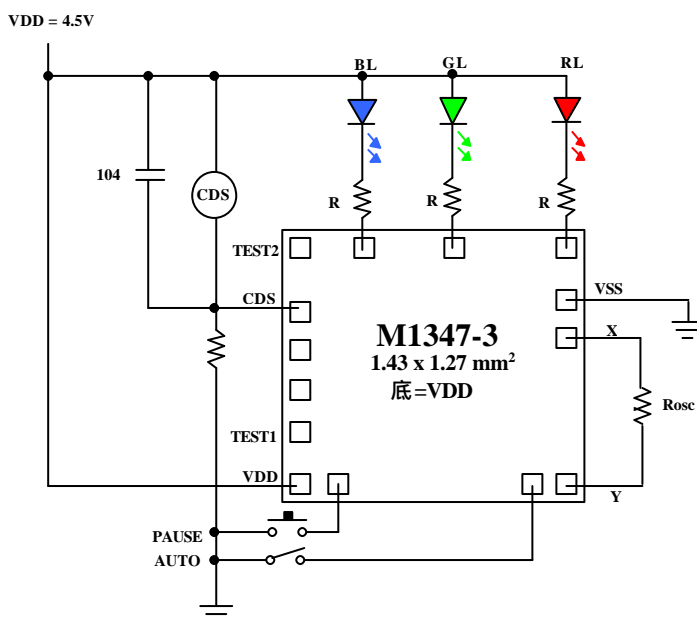
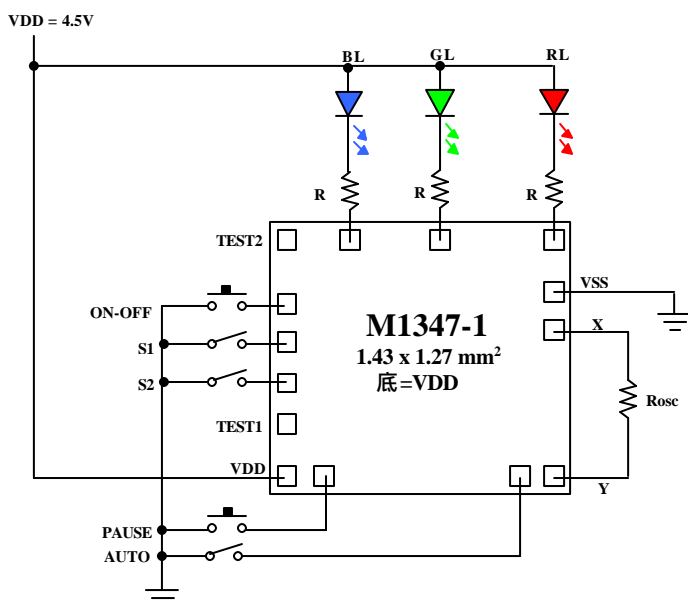
( @  $V_{DD}=3V$  unless otherwise specified )

Characteristics	Sym.	Min.	Typ.	Max.	Unit	REMARKS
工作電壓 Operating Voltage	$V_{DD}$	1.5	3	4.5	V	
工作電流 Operating Current	$I_{OP}$		0.1	0.5	mA	No load
靜態電流 Quiescent Current	$I_{SB}$		1	5	$\mu A$	
推動電流 Driving Current	$I_{OL}$	20			mA	@ $V_{DS} = 1.2 V$
振盪頻率 Oscillator Frequency	$F_{LED}$		200		KHz	External $\pm 30\%$ , $R_{osc}=390K$
工作溫度 Operating Temperature	Temp.	0	25	60		

### APPLICATION DIAGRAM 參考電路圖

\* M1347-1 : ON/OFF CONTROL

\* M1347-3 : CDS

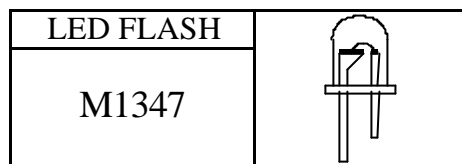


\* 註：改變  $R_{osc}$  電阻值可改變顏色變化時間， $R_{osc}$  值越大則時間變長， $R_{osc}$  值越小則時間變短。

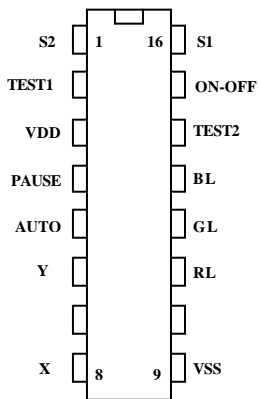


CDS , ON/OFF , OSH  
RGB LED IC

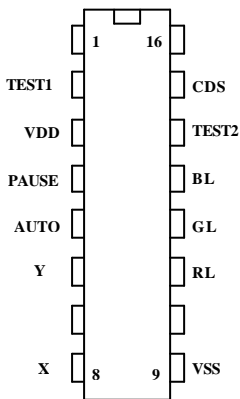
三色燈 LED IC



M1347-1P



M1347-3P

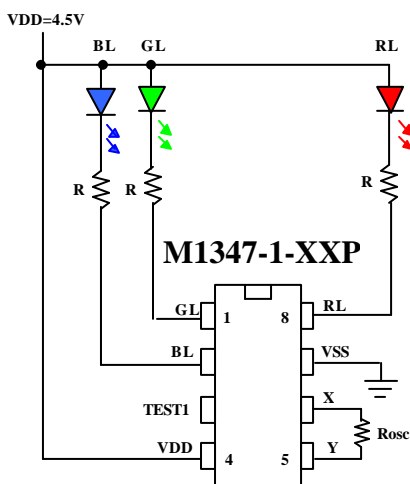


M1347-1 Section1 R C 調整表

@VDD=4.5V			
R (K )	TIME (Sec.)	C (pF)	TIME (Sec.)
20	5.8	1	24
47	9.4	82	46
68	11	180	58
120	14	330	72
470	19.8	500	82
910	21	680	90

\* Typical : 47 Sec. ± 20%

\* S.O Package 8 PIN



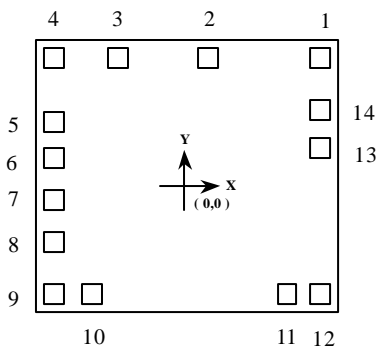
\* Power-on flash.

\* 4 section pattern select ( bonding option ).

\* M1347-1

Sestion	Suffix	Function
1	C1	1/2 Phase
2	C2	七彩漸明漸暗
3	C3	七彩變化
4	C4	多彩變化

PAD ASSIGNMENT & POSITION



UNIT : um

No.	NAME	X	Y
1	RL	592	514
2	GL	94	514
3	BL	-307	514
4	TEST2	-592	514
5	ON-OFF / CDS	-592	230.5
6	S1	-592	54
7	S2	-592	-122.5
8	TEST1	-592	-299
9	VDD	-592	-514
10	PAUSE	-423	-514
11	AUTO	426.75	-514
12	Y	592	-514
13	X	592	120.25
14	VSS	592	280.25

\* CHIP SIZE ~ 1.43 x 1.27 mm<sup>2</sup>

\* IC substrate should be connected to VDD in PCB (PCB 上 IC 必須接 VDD)

\* All specs and applications shown above subject to change without prior notice.

( 以上電路及規格僅供參考,本公司得逕行修正 )