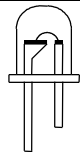




LED FLASH	
M1349	

RGB LED IC

三色燈 LED IC

### FEATURES 功能敘述

- 8 Steps (R,G,B,RG,GB,RB,RGB) LED color Mixer.
- OSH : one-shot 4 section .
- ON/OFF : ON/OFF toggle (section 2).
- Automatic start the one shot function when power on.

Section	LED
1	單燈漸暗 1 LED fade
2	漸亮漸暗 Slow fade
3	單閃 1 LED flash
4	雙閃 2 LED flash

### APPLICATION 產品應用

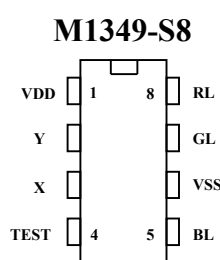
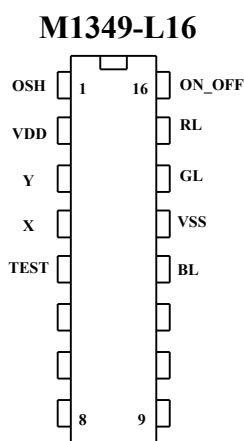
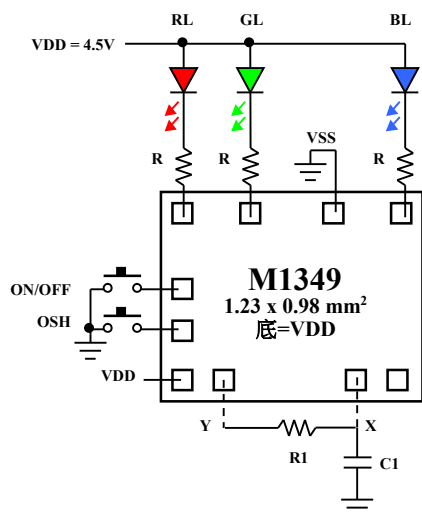
- Blinking LED, Function indicator, R.G.B Mix etc..

### ELECTRICAL CHARACTERISTICS 電氣規格

( @V<sub>DD</sub>=4.5V unless otherwise specified )

Characteristics	Sym.	Min.	Typ.	Max.	Unit	REMARKS
工作電壓 Operating Voltage	V <sub>DD</sub>	—	4.5	5	V	
工作電流 Operating Current	I <sub>OP</sub>	—	0.1	0.5	mA	No load
靜態電流 Quiescent Current	I <sub>SB</sub>	—	1	5	μA	
推動電流 Driving Current	I <sub>OL</sub>	—	26	—	mA	@V <sub>DS</sub> = 1.2 V
閃爍速度 Oscillator Frequency	F <sub>LED</sub>	—	1.7	—	Hz	±30% TOL.
工作溫度 Operating Temperature	Temp.	0	25	60	°C	

### APPLICATION DIAGRAM 參考電路圖



VDD=4.5V	
Color of the LED	Recommend resistance
Red (R)	47Ω
Green (G)	22Ω
Yellow Green (YG)	
Blue (B)	0Ω

#### Section 1 R、C 調整表

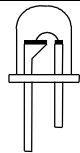
@VDD=4.5V			
R (KΩ)	TIME (Sec.)	C (pF)	TIME (Sec.)
20	2.5	1	15.4
47	4	82	25
68	5.3	180	28.1
120	7.2	330	30
330	10.7	500	31
910	13	680	31.8

\* Typical : 37 Sec. ± 20%

\* External C1 : decrease the Fosc.

\* External R1 : increase the Fosc.

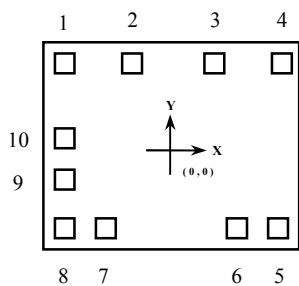


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**PAD ASSIGNMENT & POSITION**



No.	NAME	UNIT : um	
		X	Y
1	RL	-490.00	363.25
2	GL	-192.50	363.25
3	VSS	178.00	363.25
4	BL	489.00	363.25
5	TEST	437.50	-364.00
6	X	262.50	-364.00
7	Y	-315.00	-364.00
8	VDD	-490.00	-364.00
9	OSH	-490.00	-141.00
10	ON OFF	-490.00	34.00

\* CHIP SIZE ~ 1.23 x 0.98 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 )