



8 FUNCTIONS XMAS LIGHT CONTROL

8 段功能单键 圣诞灯串控制 IC

XMAS LIGHT

M80056B



FEATURES 功能叙述

- 1 key operation.
- Operation mode : 8 modes.
- Direct drive SCR.
- Built-in oscillator.

MODE	FUNCTIONS	功能
1	COMBINATION	第二段到第七段
2	IN WAVES	2 种 波浪前进后退
3	SEQUENTIAL	4 种 跑马
4	SLO-GOL	3 种 单灯渐明渐暗
5	CHASING / FLASH	跑马前进后退, 星星闪烁
6	SLOW FADE	3 种 四灯同时渐明渐暗
7	TWINKLE / FLASH	双灯星星闪烁, 跑马
8	STEADY ON	灯串固定不闪

APPLICATION 产品应用

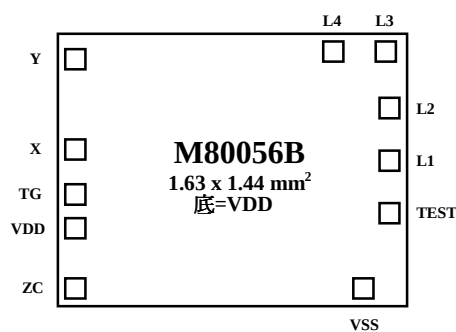
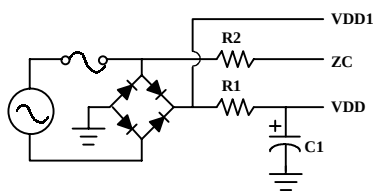
- Xmas light controller, any AC control toy.

ELECTRICAL CHARACTERISTICS 电气规格

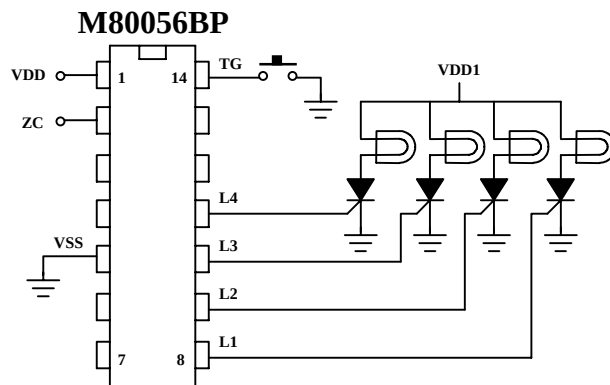
(@V_{DD}=3.6V unless otherwise specified)

Characteristics	Sym.	Min.	Typ.	Max.	Unit	REMARKS
工作电压 Operating Voltage	V _{DD}	3	4	5	V	
工作电流 Operating Current	I _{OP}	—	—	2	mA	No load
静态电流 Quiescent Current	I _{SB}	—	—	—	μ A	
推动电流 BZ Driving Current	I _{OH}	—	0.2	—	mA	@ V _{DS} =1V
振荡频率 Oscillator Frequency	F _{OSC}	—	250	—	KHz	±30% TOL.
工作温度 Operating Temperature	Temp.	0	25	60	°C	

APPLICATION DIAGRAM 参考电路图



	AC110V 60Hz	AC220V 50Hz	AC24V 50Hz
R1	82K Ω	180K Ω	20K Ω
R2	1M	1M	1M
C1	47 μ /16V	47 μ /16V	47 μ /16V



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

(以上电路及规格仅供参考,本公司得径行修正)



~ 華半導體股份有限公司
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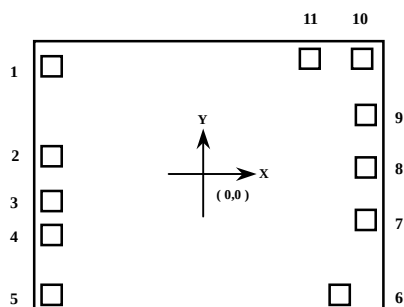
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PAD ASSIGNMENT & POSITION



UNIT : μm

No.	NAME	X	Y
1	OSC2	-873	618
2	OSC1	-873	106
3	TG	-873	-143
4	VDD	-873	-348
5	ZC	-873	-681
6	VSS	724	-676
7	TEST	875	-250
8	L1	869	50
9	L2	857	346
10	L3	834	672
11	L4	541	672

CHIP SIZE $\sim 1.63 \times 1.44 \text{ mm}^2$

* IC substrate should be connected to VDD in PCB (PCB 上 IC 必须接 VDD)