



DUAL TONE MELODY XMAS LIGHT CONTROL

双音音乐 圣诞灯串控制 IC

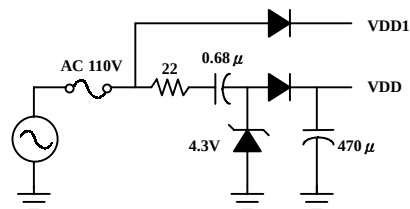
XMAS LIGHT

M668



FEATURES 功能叙述

- 5 SCR outputs.
- 2 mode sequence trigger key.
- Mode0 7 function Vol pin control volume.
Mode1 8 function Auto volume control.
- OPT : “Floation” Mode0
“VSS” Mode1



APPLICATION 产品应用

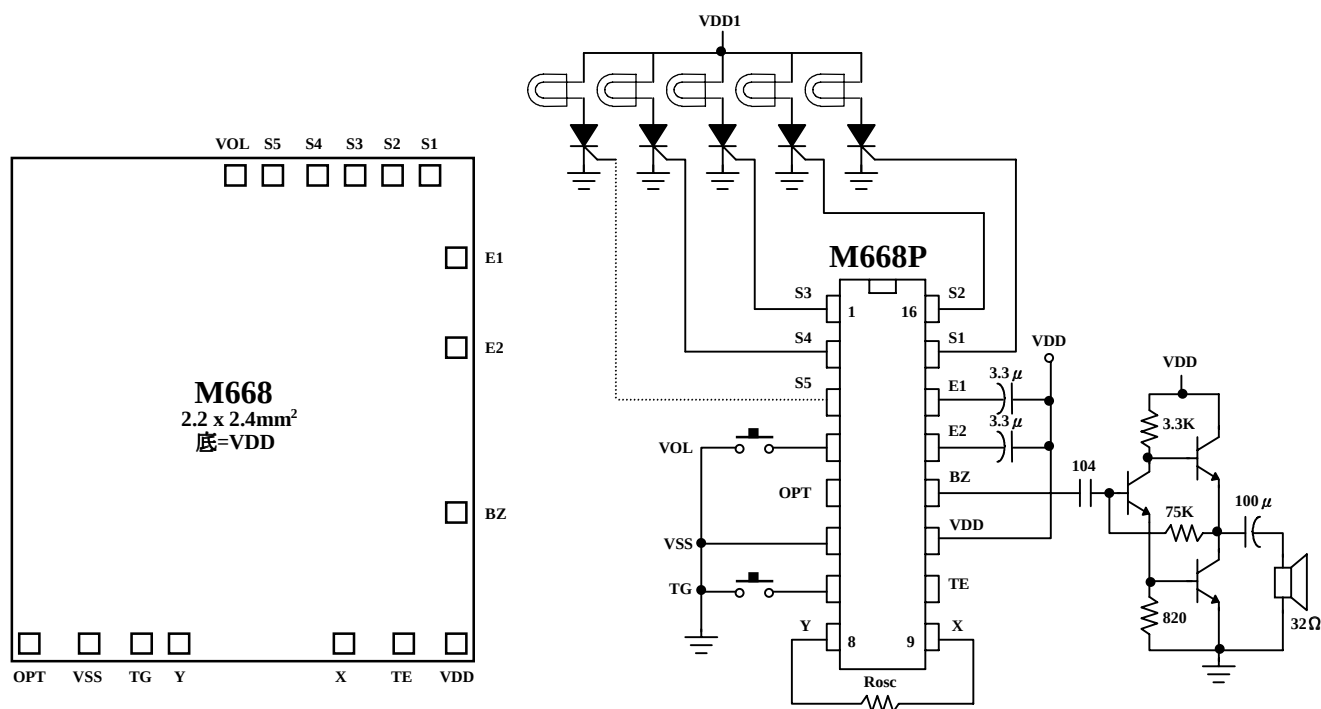
- Xmas light control etc..

ELECTRICAL CHARACTERISTICS 电气规格

(@V_{DD}=4.3V unless otherwise specified)

Characteristics	Sym.	Min.	Typ.	Max.	Unit	REMARKS
工作电压 Operating Voltage	V _{DD}	—	4.3	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}	—	100	—	KHz	External ±30%, Rosc=270K Ω
工作温度 Operating Temperature	Temp.	0	25	60	°C	

APPLICATION DIAGRAM 参考电路图



* 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)



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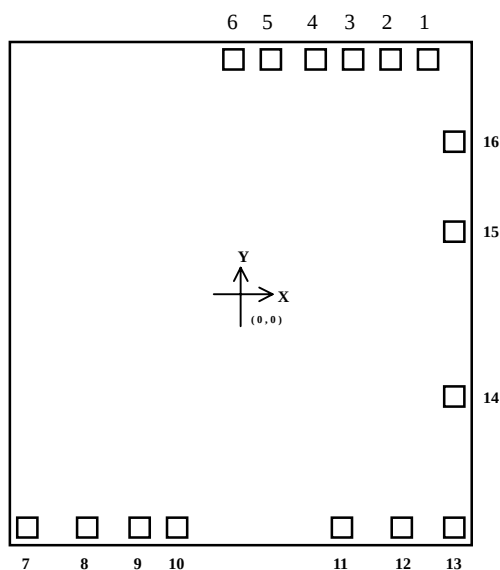
MODE FORMAT

MODE	MODE 0	MODE 1	
	LIGHT	LIGHT	VOLUME
M1	同时	同时	大
M2	2 组交替	2 组交替	中
M3	1 灯跑马	1 灯跑马	小
M4	2 灯跑马	循环	大
M5	M1~M4 循环	同时+2 灯跑马	中
M6	M1~M4 循环	2 组交替+1 灯跑马	小
M7	全亮	循环	静音
M8		全亮	

SONG LIST

- Angels we have heard on high
- Silent night
- Away in a manger
- We three king of orient are
- Jingle bells
- We wish you a merry Christmas
- The twelve days of Christmas
- Up on the housetop
- Jolly old saint nickel
- Good king wencelas
- O come, all ye faithful
- Joy to the world
- It came upon the midnight clear
- Santa Claus is coming to down
- O Christmas tree
- Rudolph, the red-nosed reindeer
- What child is this
- I saw three ships
- O litter town of Bethlehem
- God rest you merry, gentlemen hark
- Deck the halls
- The herald angels sing
- The snow lay on the ground
- Bring a torch
- The first noel

PAD ASSIGNMENT & POSITION



UNIT : um			
No.	PAD	X	Y
1	S1	822	982.5
2	S2	662.25	982.5
3	S3	502.5	982.5
4	S4	343.5	982.5
5	S5	157.5	982.5
6	VOL	0.75	981
7	MODE	-900	-982.5
8	VSS	-650.25	-982.5
9	TG	-425.25	-982.5
10	Y	-261	-982.5
11	X	422.25	-982.5
12	TEST	675.75	-982.5
13	VDD	900	-982.5
14	BZ	900	-437.25
15	E2	900	255
16	E1	900	630

* IC CHIP ~ 2.2 x 2.4 mm², substrate to VDD.

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