



一、FEATURES 功能叙述

S7P8186 系列是专门设计应用于上电工作, Blinking LED 驱动三路 LED 七彩或多彩输出 IC。

分类	功能	周期 (4.5V)
S7P8186-1	多彩渐明渐暗	25S
S7P8186-2	七彩渐明渐暗	60S
S7P8186-3	三色顺序交叉渐明渐暗	30S
S7P8186-4	七彩跳变	60S
S7P8186-N	根据客户需要闪法定做 Mask	

- CMOS 工艺技术制造.
- 工作电压范围: 3~5.00V DC.
- 电源闸控制, 上电自动启动.
- 内置 RC 振荡器.
- 3 路 LED 驱动正输出..
- 输出电流 > 15mA(@3V).
- 可通过修改一个 MASK 改变所需闪法.

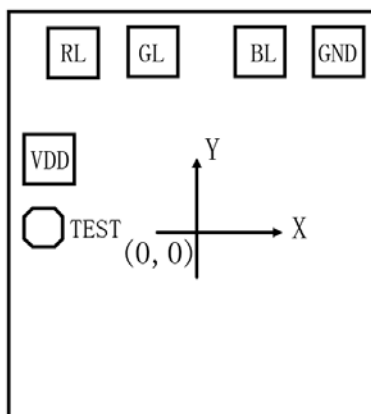
二、APPLICATION 产品应用

◇ 闪烁 LED, 礼品等.

三、ELECTRICAL CHARACTERISTICS 电气规格 (@V_{DD}=3V unless otherwise specified)

Characteristics	Sym.	Min.	Typ.	Max.	Unit	REMARKS
工作电压 Operating Voltage	V _{DD}	3	4.5	5.0	V	
工作电流 Operating Current	I _{OP}	-	0.5	-	m A	No Load
推动电流 OL Driving Current	I _{OL}		20		m A	V _{DS} =3.0V
振荡频率 Oscillator Frequency	F _{OSC}	-		-	KHz	± 25% TOL
测试频率 Test Frequency	F _{test}				Hz	± 25% TOL.
工作温度 Operating Temperature	Temp	-10	25	70	°C	

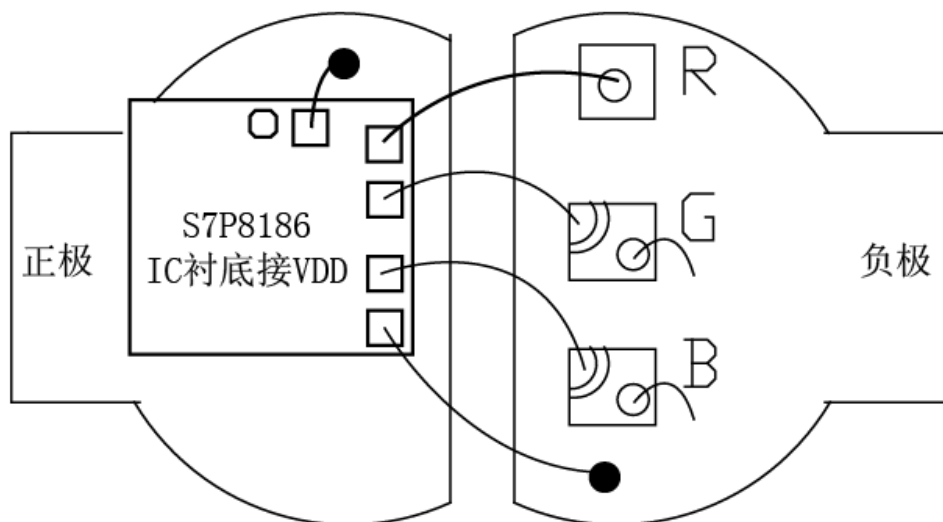
四、PAD ASSIGNMENT & FUNCTION



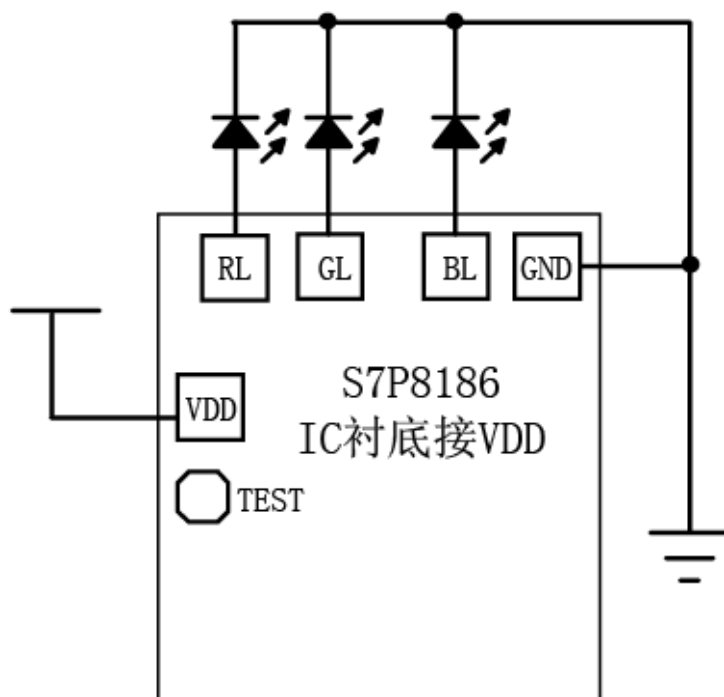
注: IC衬底接VDD

NO.	NAME	FUNCTION	X (um)	Y(um)
1	RL	LED 输出端 PIN	-219.0	319.8
2	GL	LED 输出端 PIN	-84.0	319.8
3	BL	LED 输出端 PIN	150.4	319.8
4	GND	电源负极 PIN	286.3	319.8
5	TEST	内部测试 PIN	-296.4	3.9
6	VDD	电源正极 PIN	-286.4	125.6

五、APPLICATION DIAGRAM 参考电路图



邦LED图

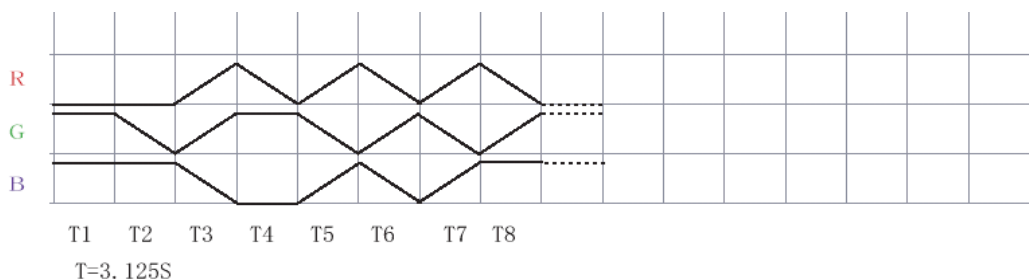


参考应用电路图

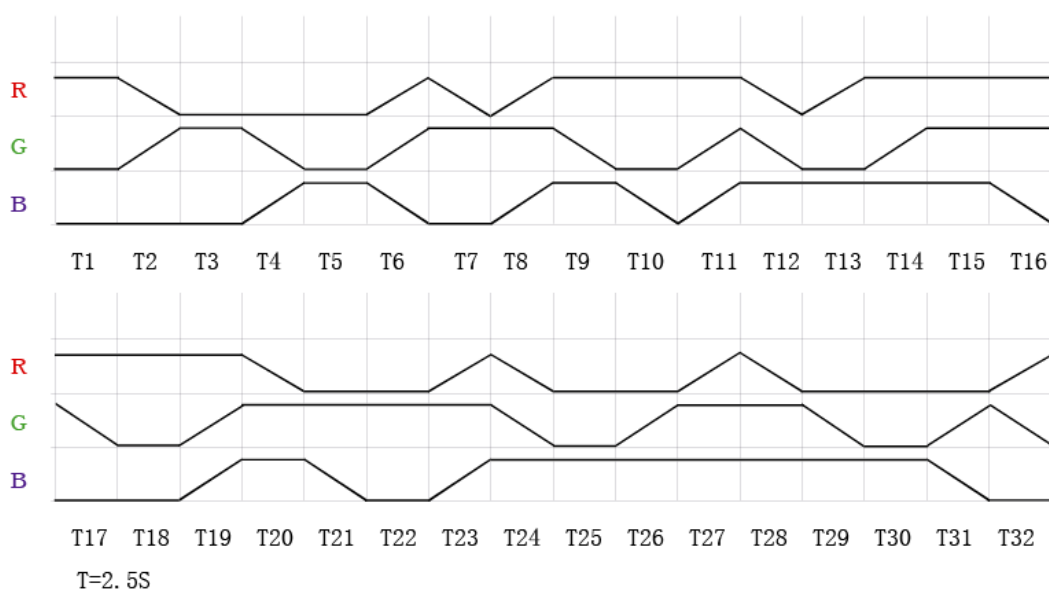


六、参考波形图 WAVEFORM

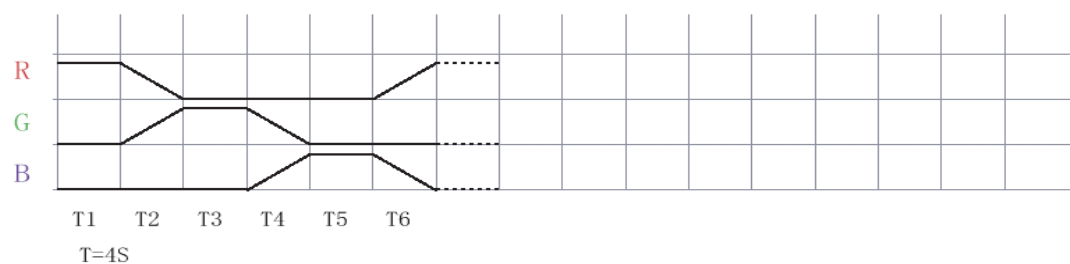
S7P8186-1:



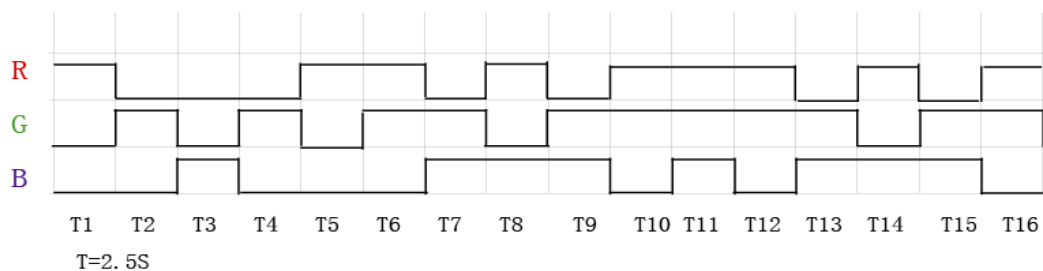
S7P8186-2:



S7P8186-3:



S7P8186-4:



*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)