



◆ 特性

1. CMOS 製程，高性能和高穩定性
2. 低消耗功率
3. 上電依所填之閃法動作
4. 四種閃法,每種 15 段 code 可填

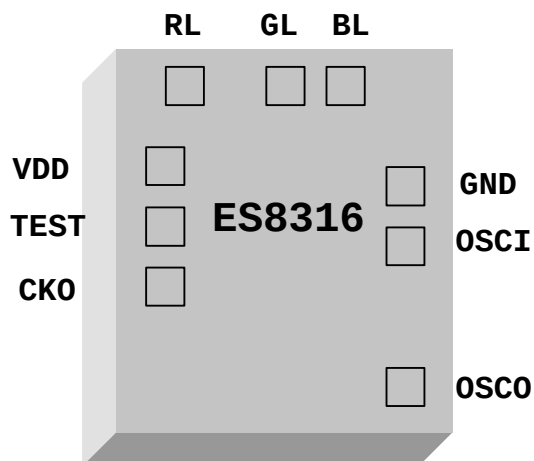
◆ 說明

ES8316 是一顆可推動 3 種顏色(RGB)LED 混成全彩的 IC。接上電源後自動啟動，即依內部之 ROM code 依序輸出, ROM code 共 4*15 段。

絕對額定值

參數	符號	最小值	最大值	單位
供應電壓	VDD	-0.3	6	V
輸入/輸出 電壓	Vi, Vo	VSS-0.3	VDD+0.3	V
儲存溫度	Tstg	-40	125	。C
工作溫度	Top	0	70	。C

腳位之分配和位置

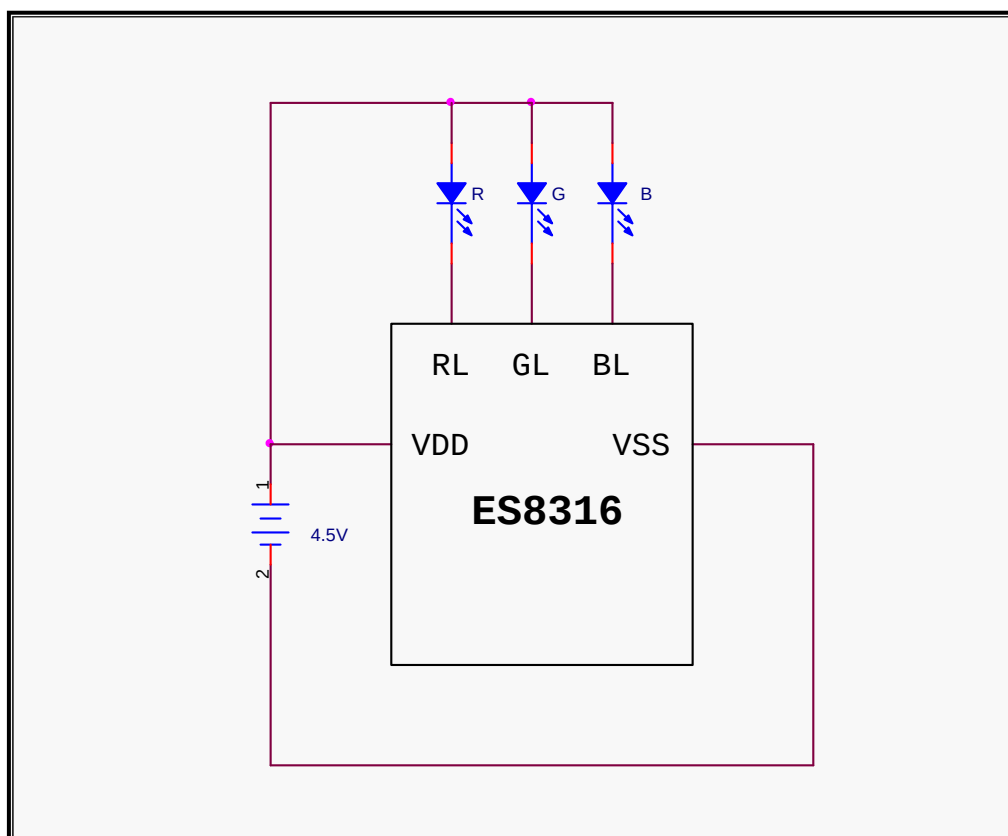


晶粒尺寸 = 1080um * 1350um，晶粒底座需為 VDD 或浮接

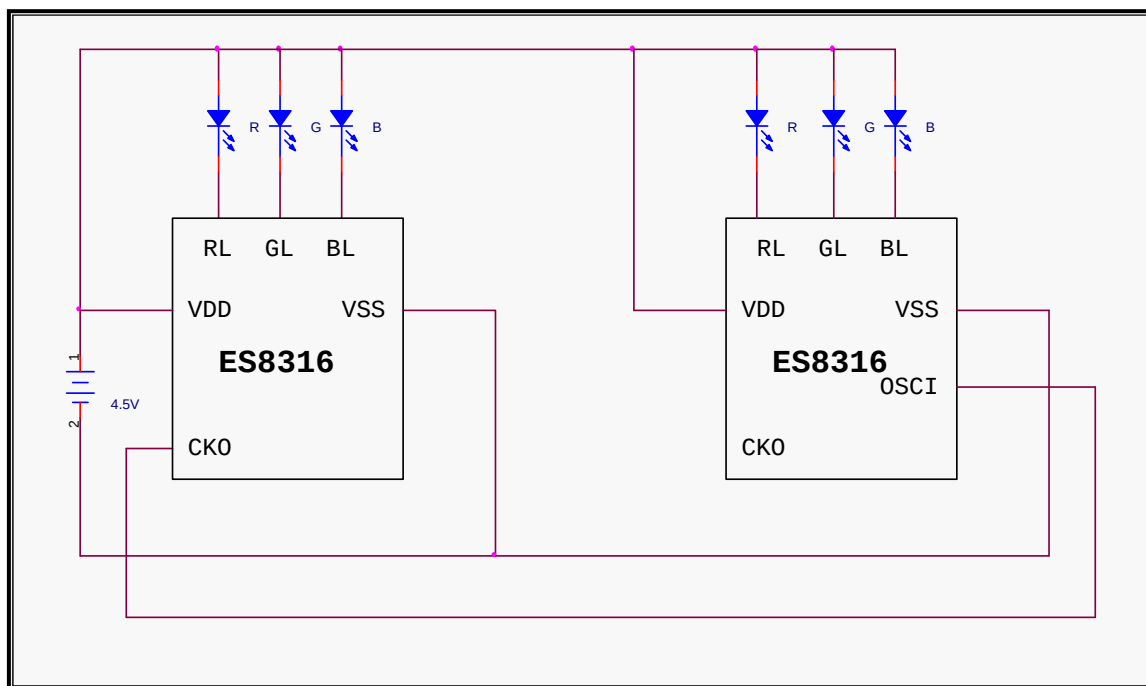
直流電器特性 (VDD=4.5V, VSS=0V)

參數	符號	測試條件	最小值	中心值	最大值	單位
工作電壓	VDD		2.0	4.5	5.5	V
輸出電流 RL, GL	I _{ol}	V _{ol} =2.5V		25		mA
輸出電流 BL	I _{o1}	V _{o1} =0.8V		30		mA
輸入高電壓準位	V _{ih}		3.2			V
輸入低電壓準位	V _{il}				1.2	V

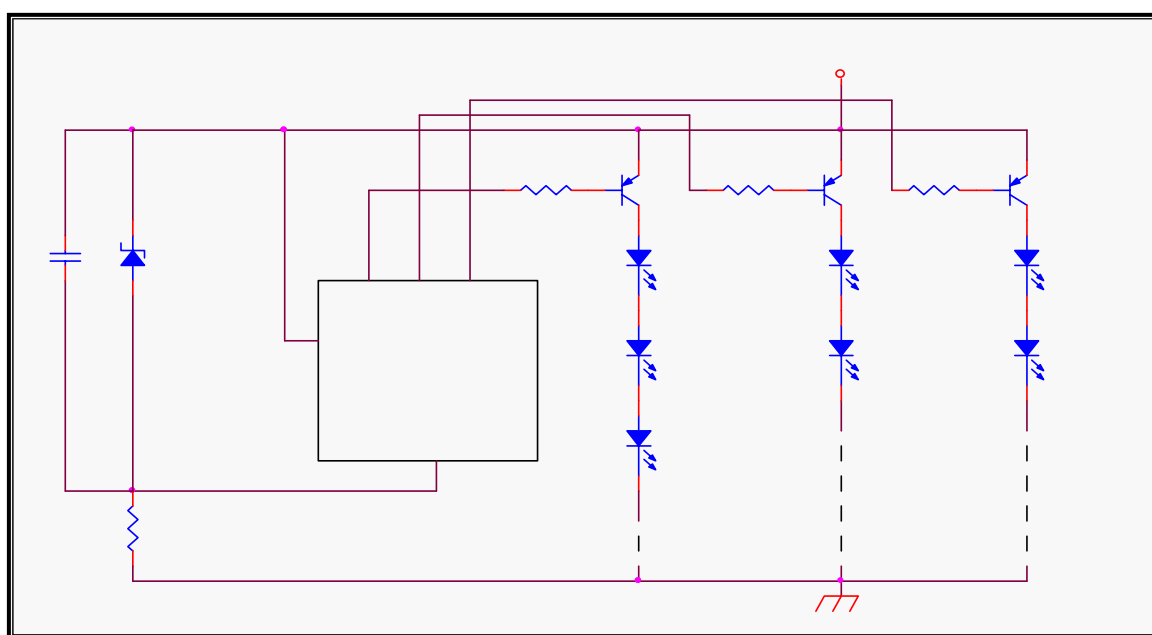
單一應用線路圖



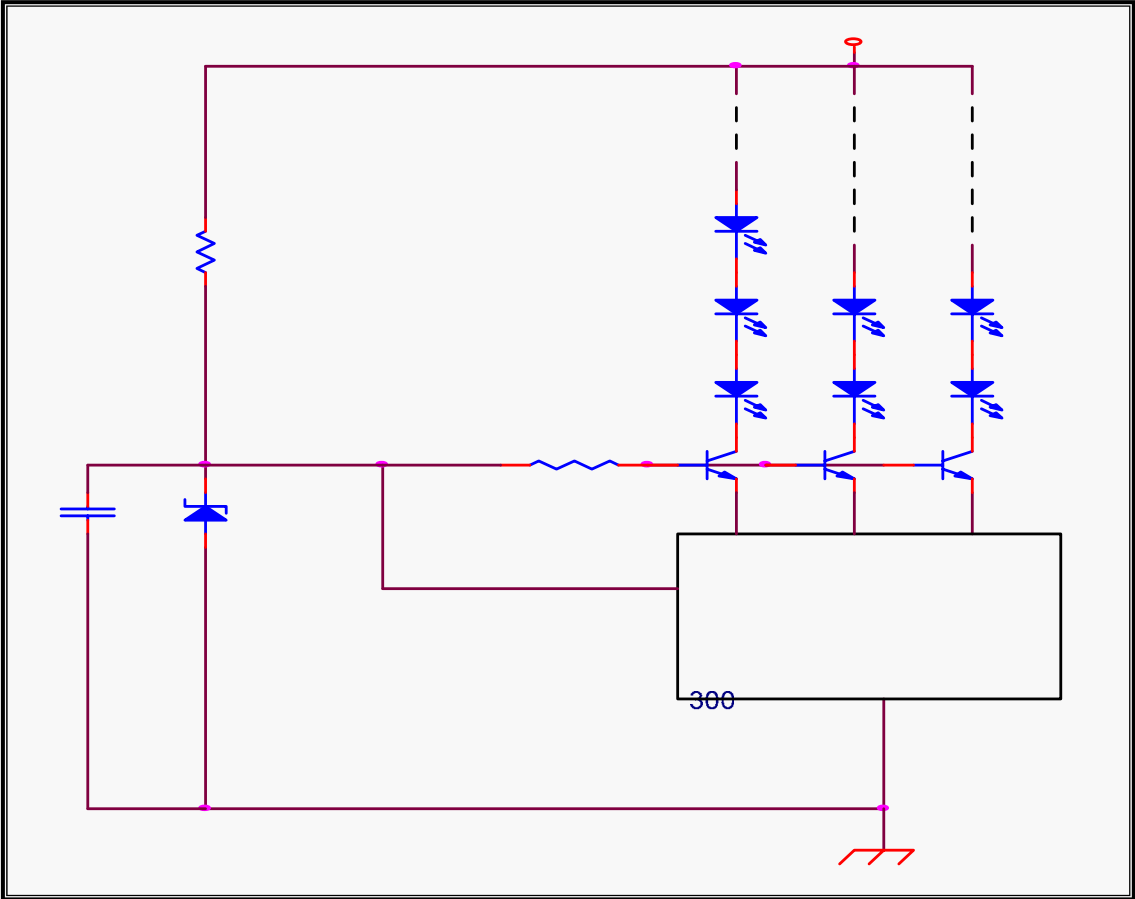
串聯同步應用線路圖



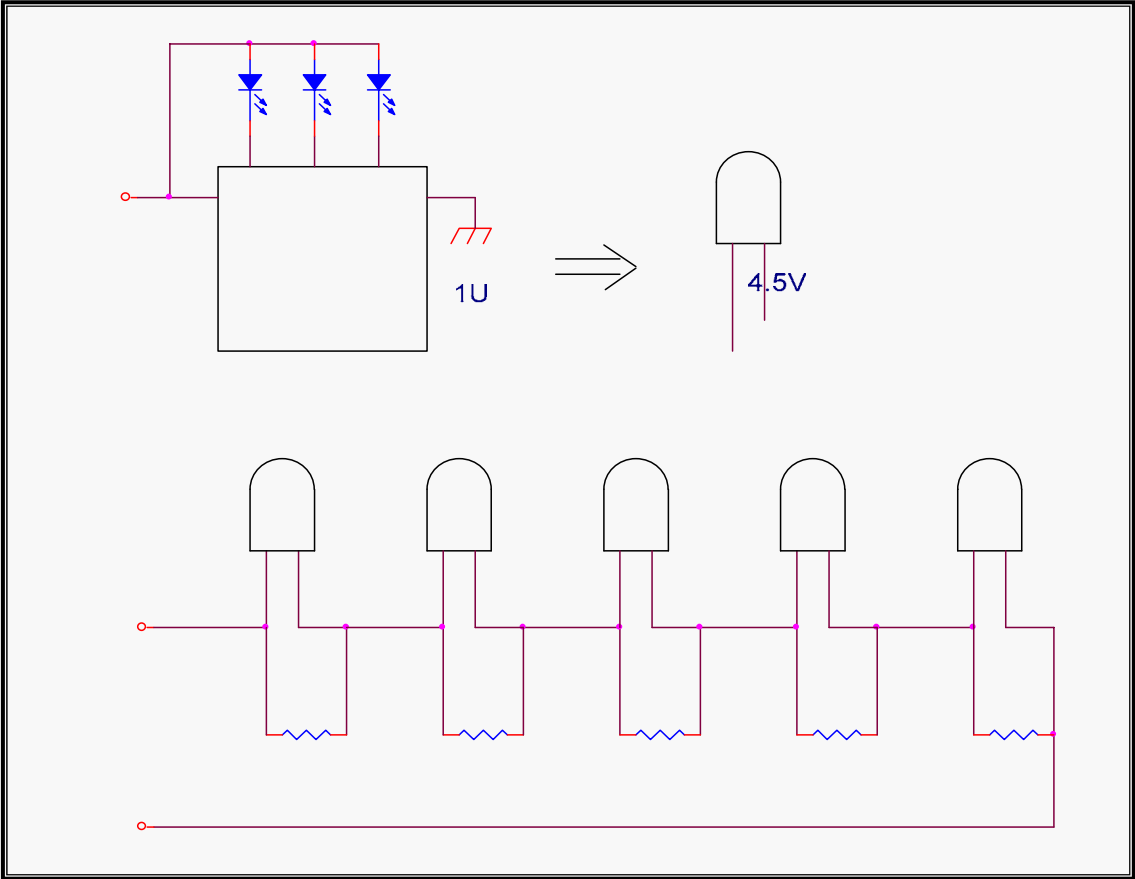
12V 之應用線路一



12V 之應用線路二

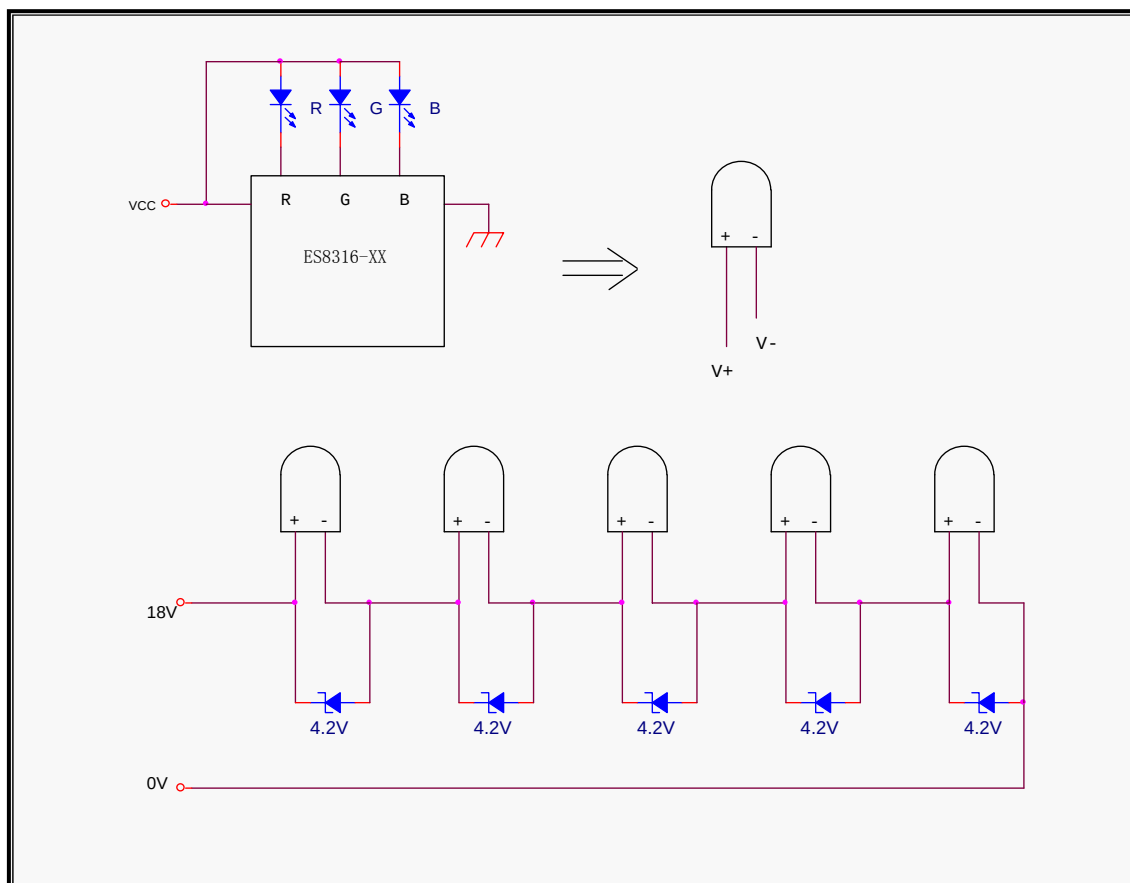


燈串之應用線路一



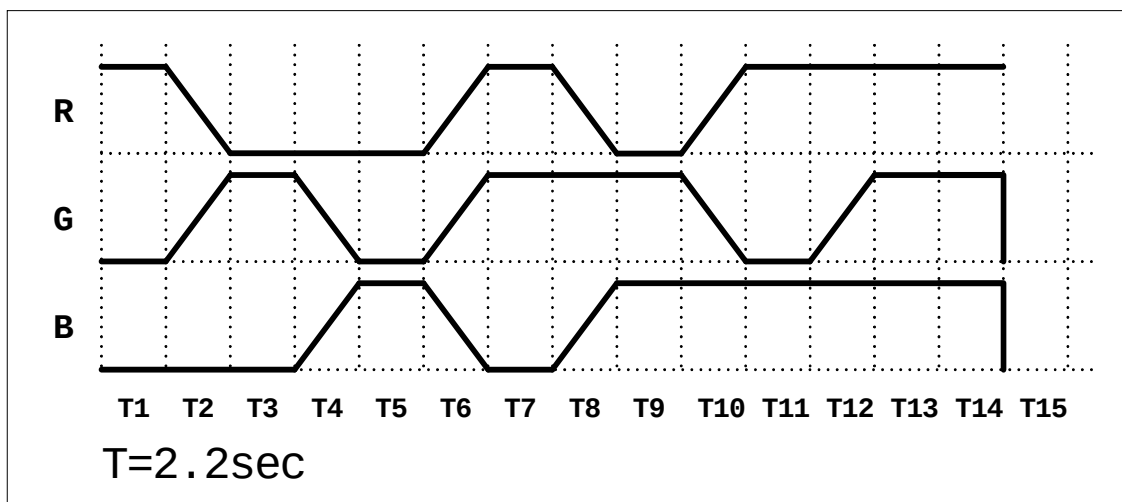
3.6K

燈串之應用線路二

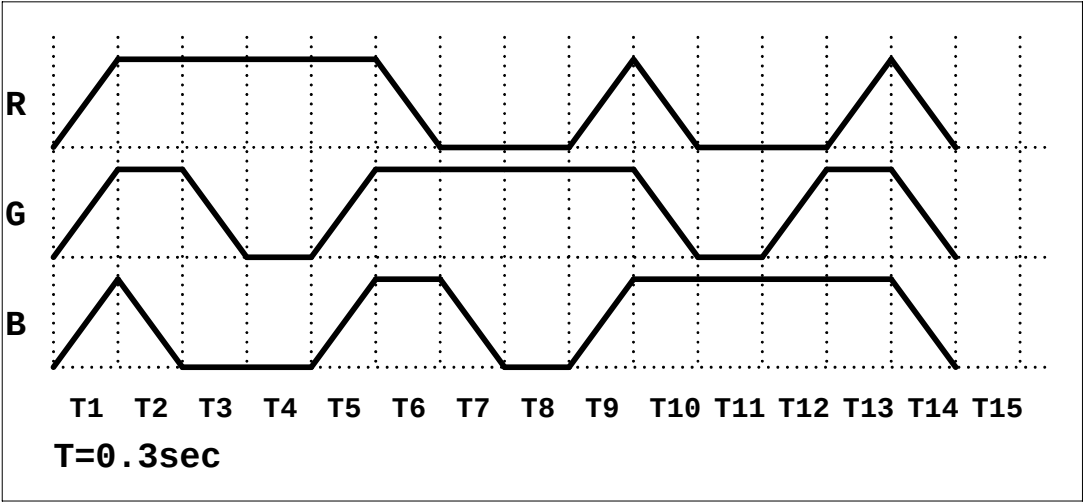
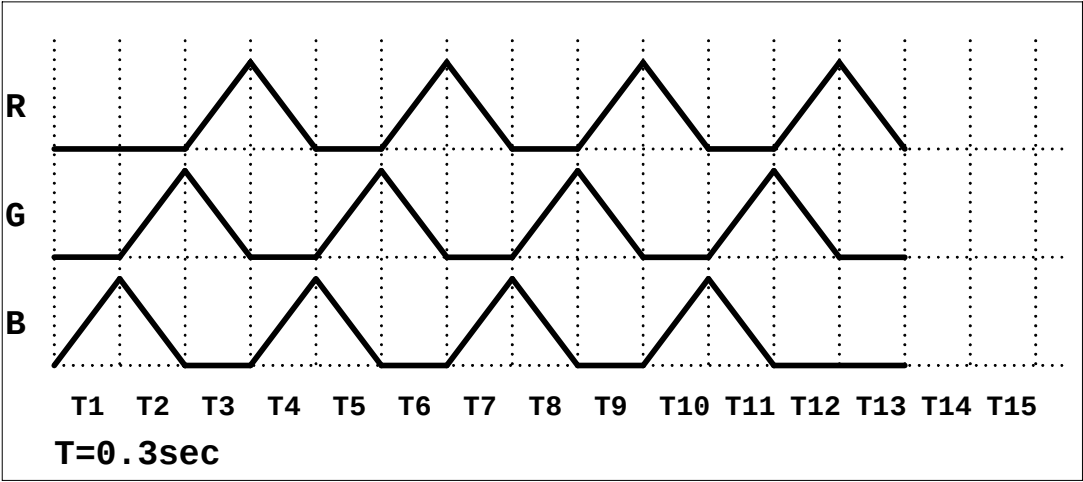
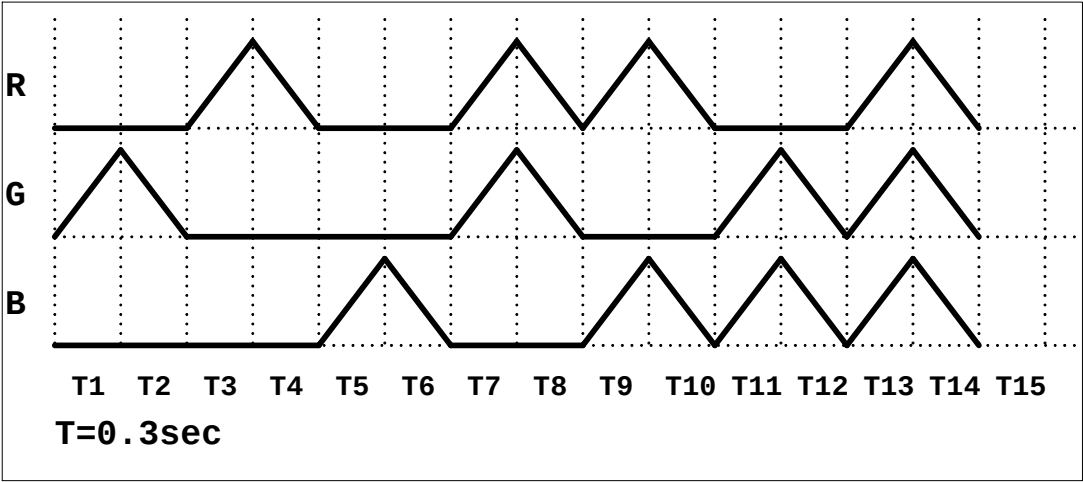


輸出示意圖

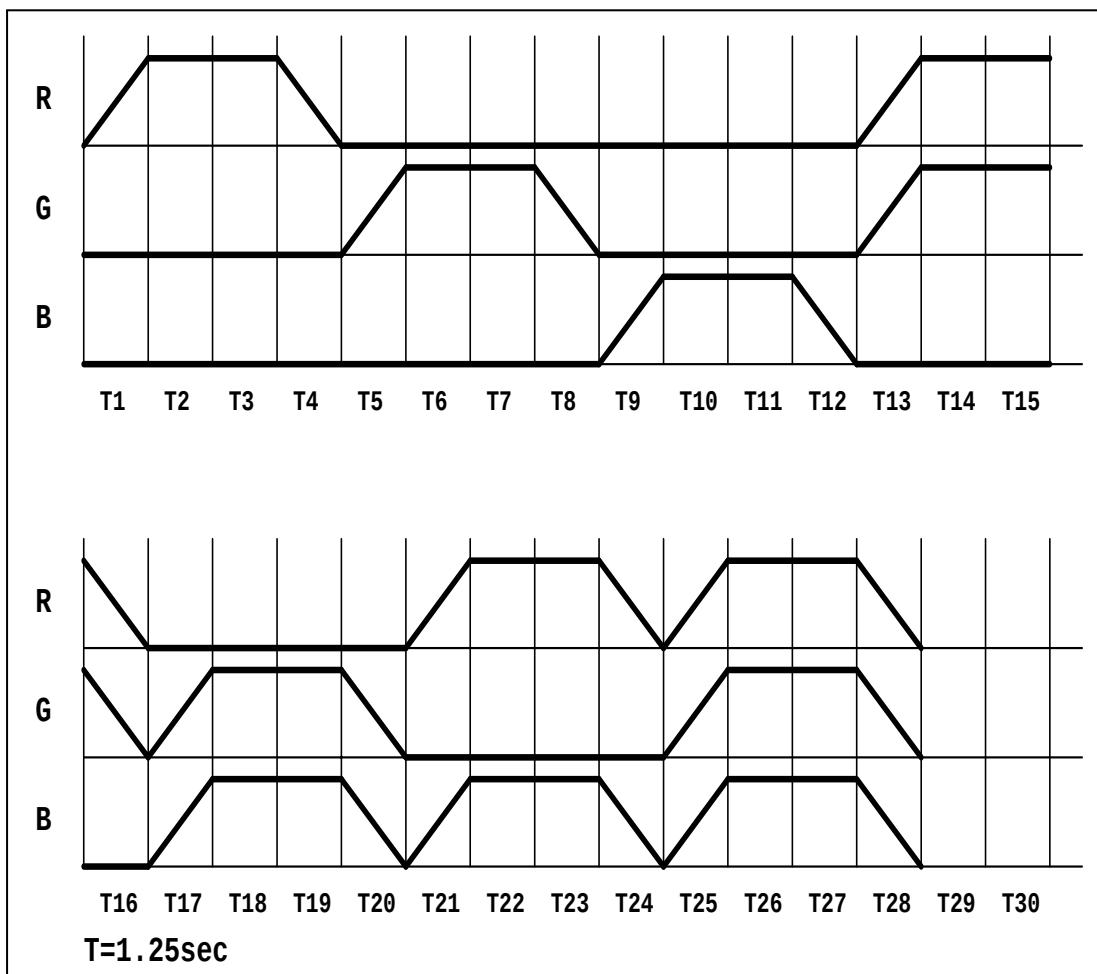
ES8316-0



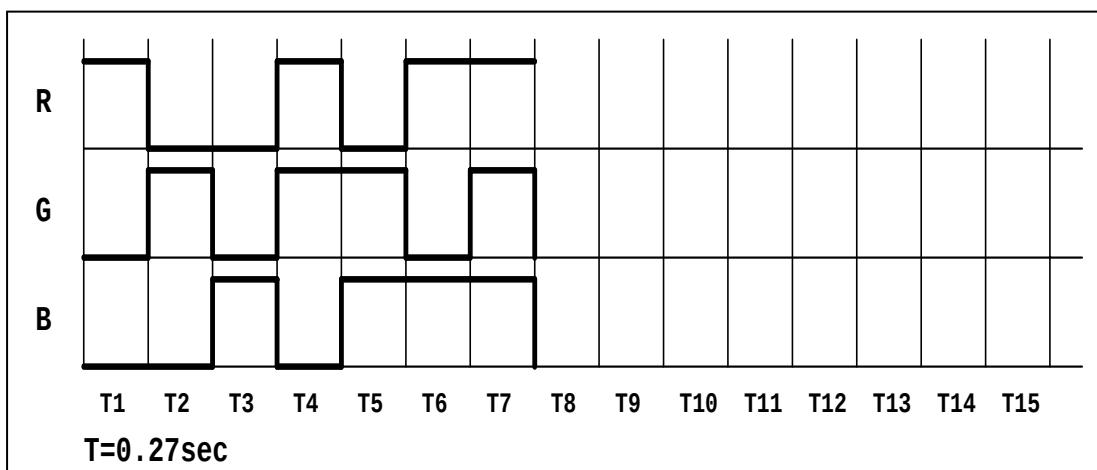
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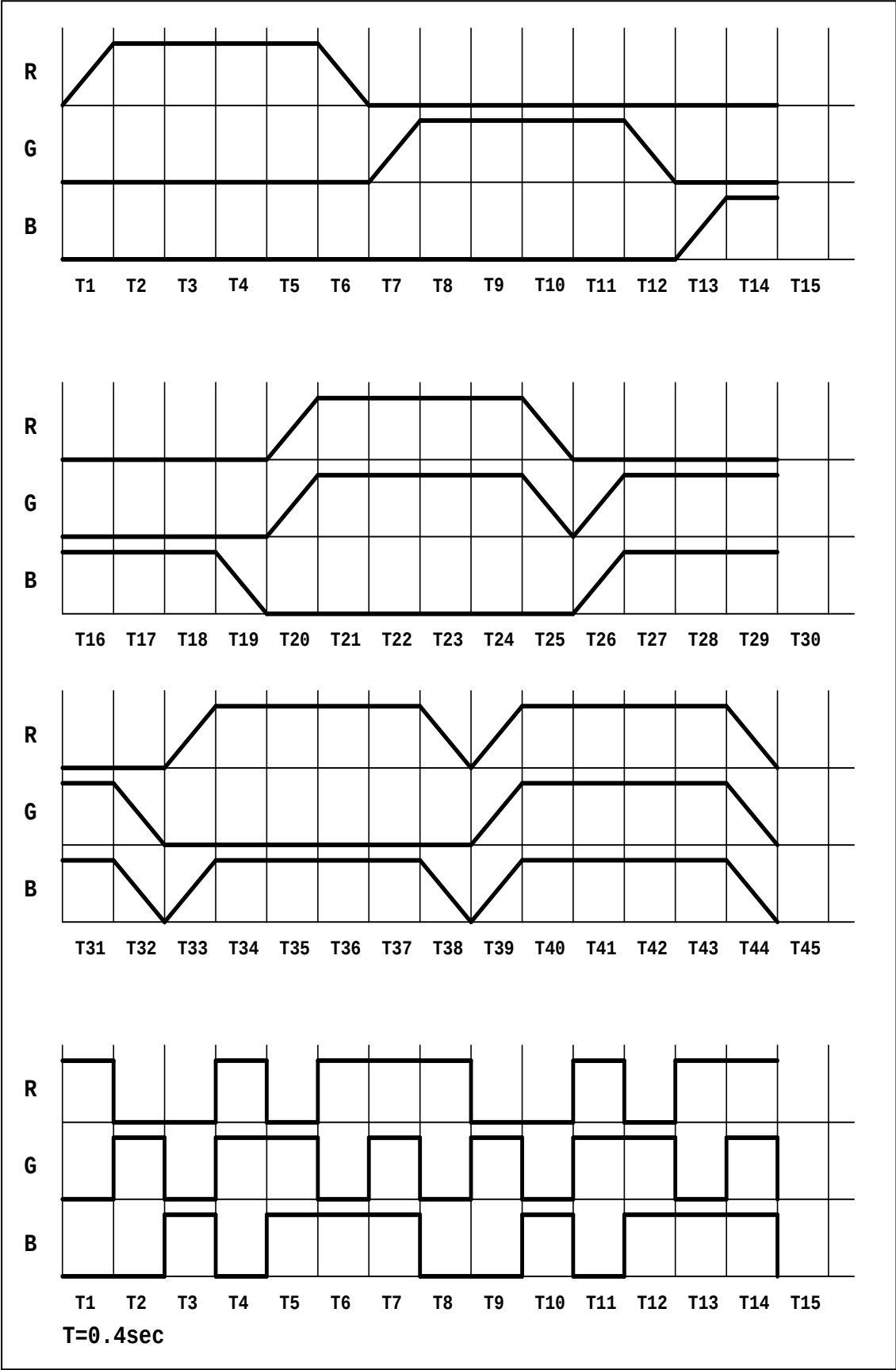
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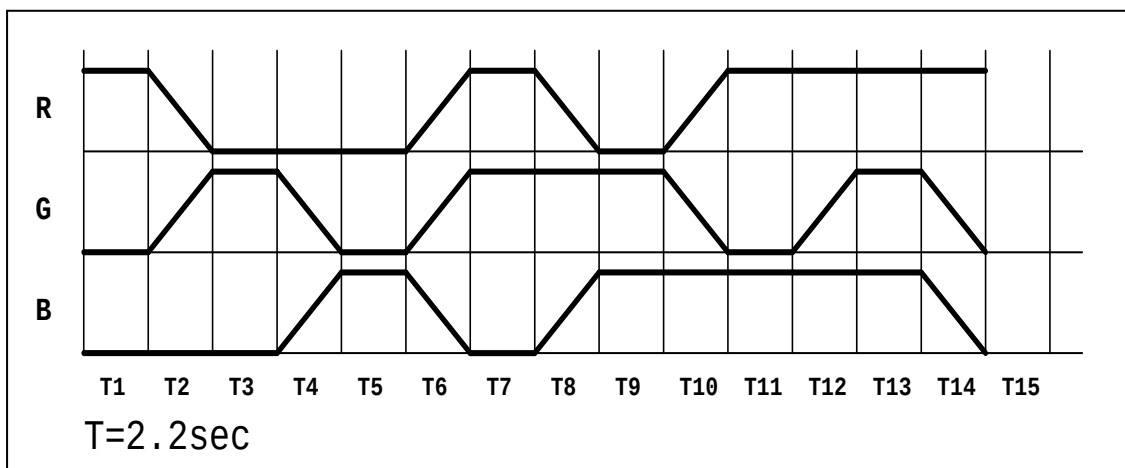
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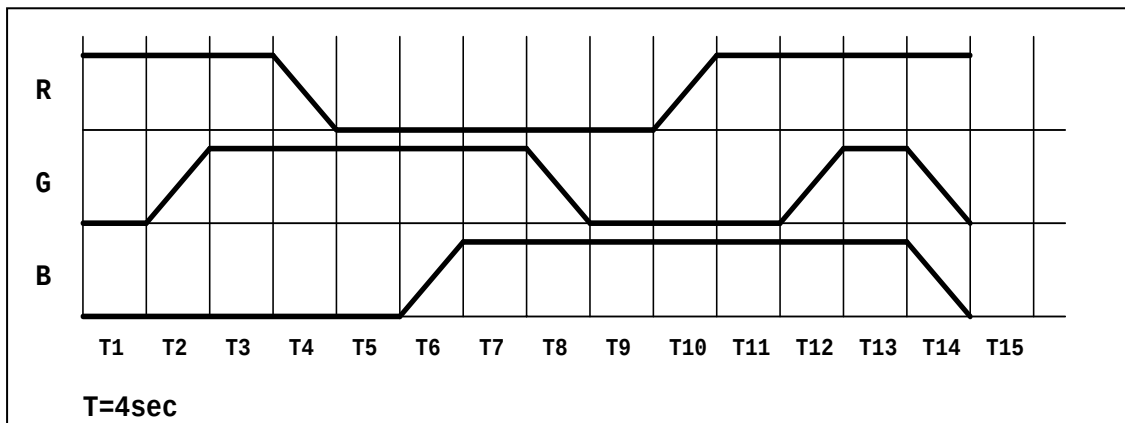
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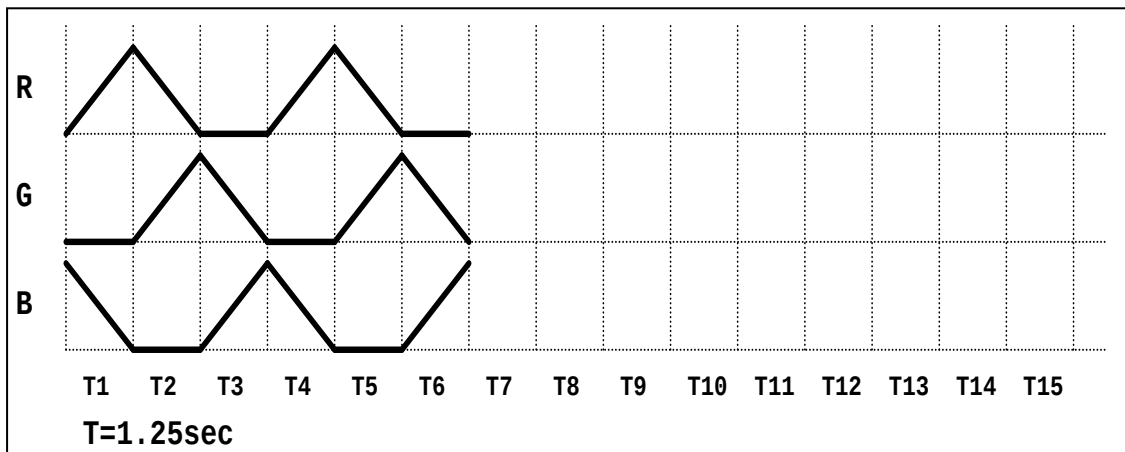
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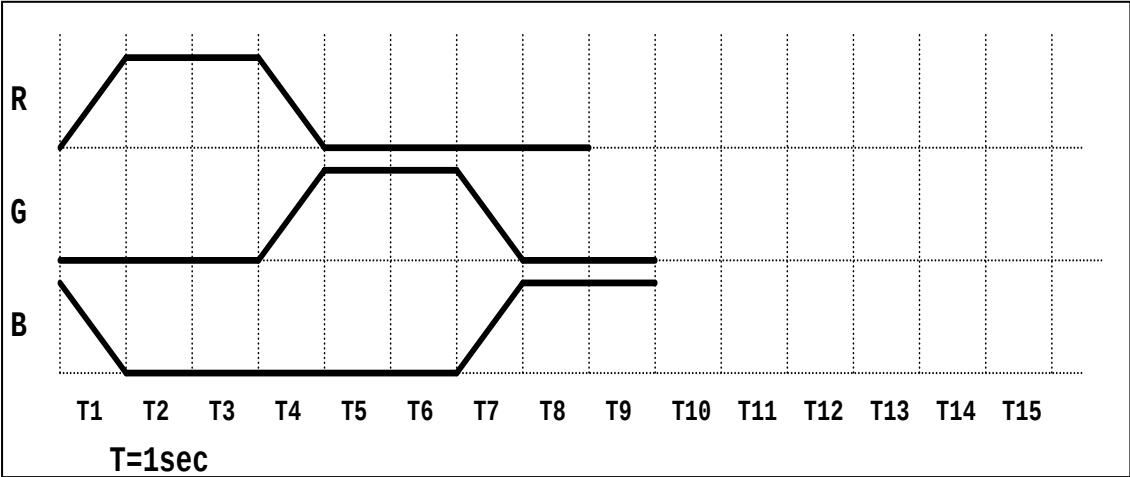
ES8316-6



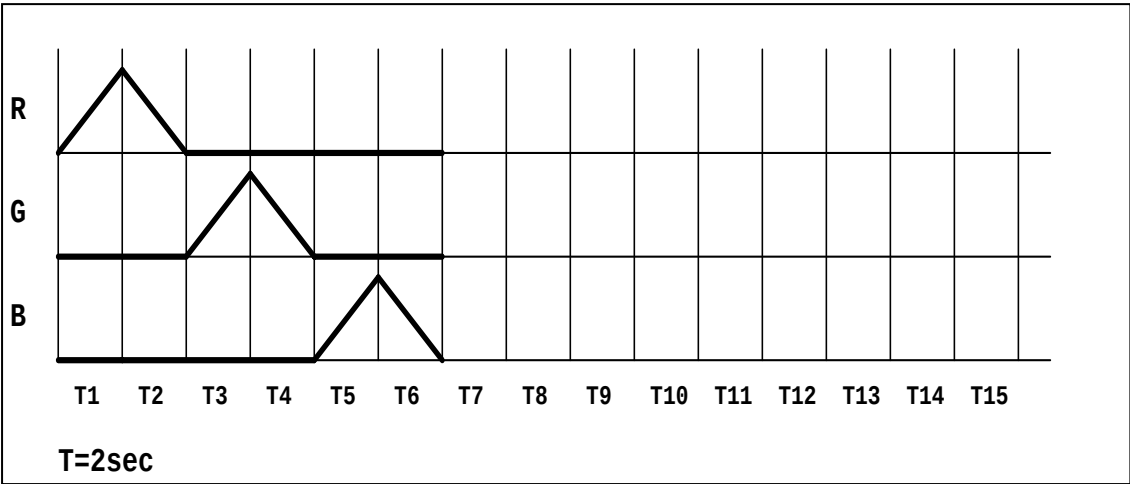
ES8316-7



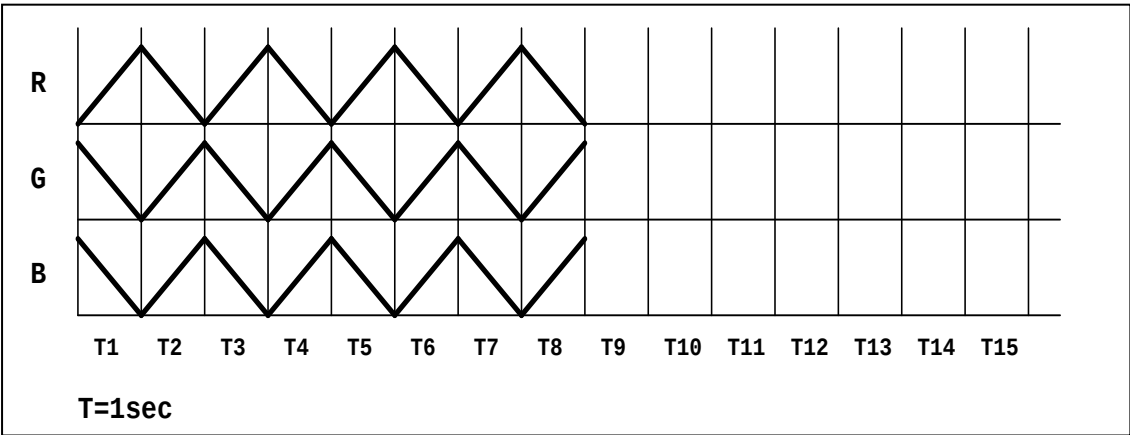
ES8316-8



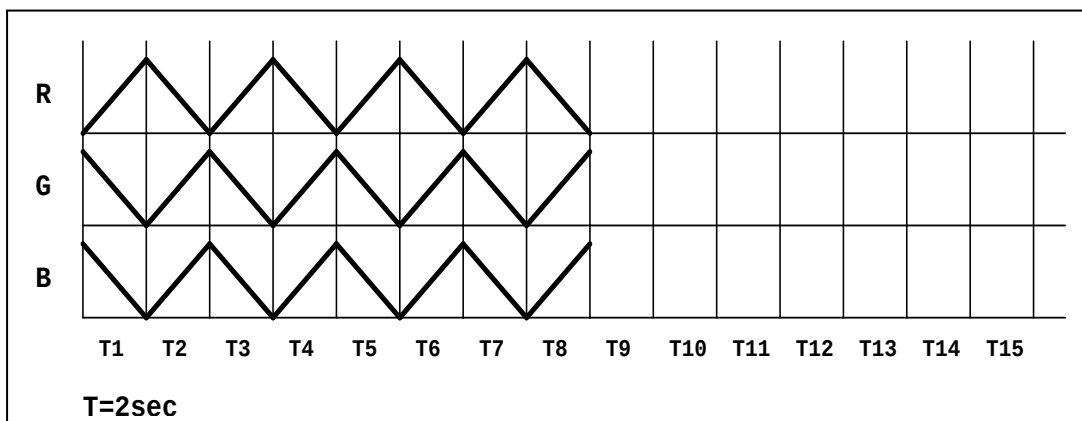
ES8316-9



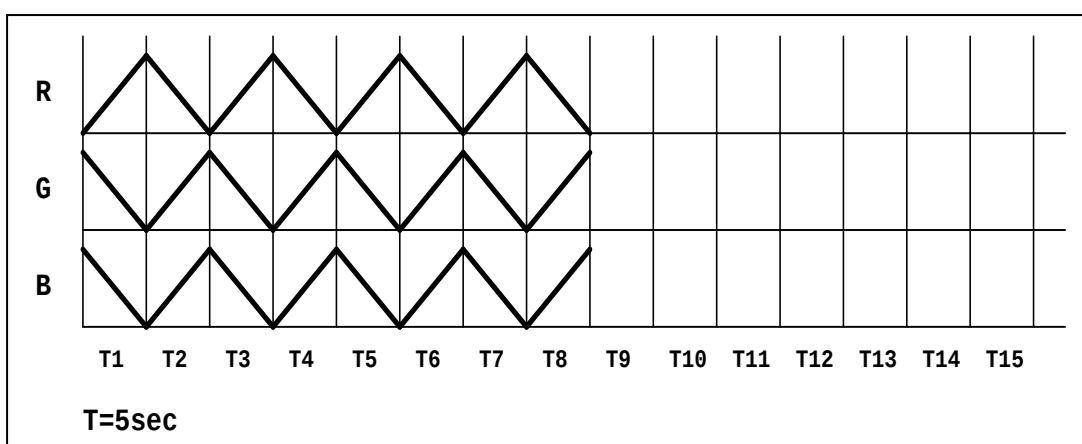
ES8316-10



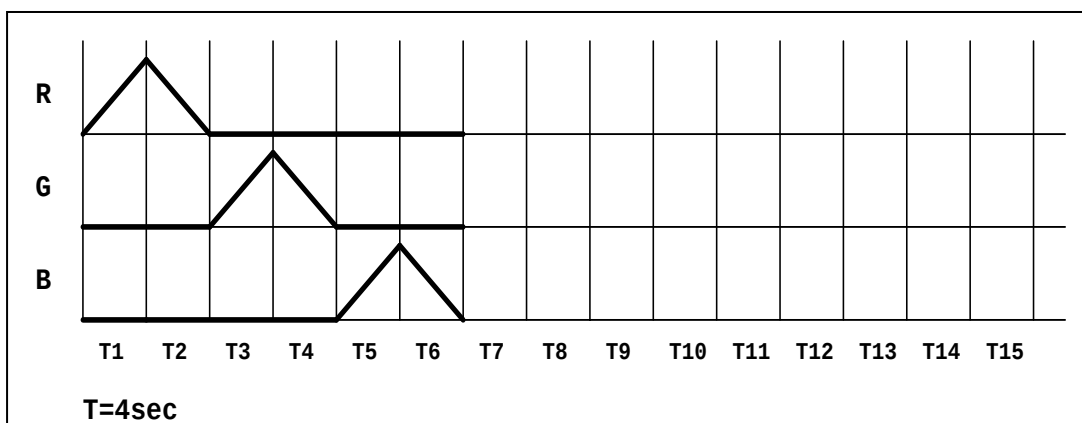
ES8316-11



ES8316-12



ES8316-13



单位名称：上海毅钧商贸有限公司

主页：www.IC108.com

E-mail：bailiang@ic108.com

税号：310225741607168

开票地址：上海市宛平南路 420 弄（佳安公寓）1 号楼 1407 室

开票电话：021—5425-3556

电话总机：021—5425-3565；5425-3569

传真：总机转 807

开户行：上海银行徐家汇花园支行

帐号：315846—00001031815

DIP8 脚位图

