

Pulse train generator

The circuit shown will generate a pulse train in which the pulse duration, pulse interval, and number of pulses can be varied independently by setting the time-constants R_1C_1 , R_2C_2 and R_3C_3 , respectively. When a negative-going trigger pulse is applied, timers 1 and 3 are activated. With A high, T_2 is triggered at the end of T_1 timing interval, and T_1 is triggered at the end of T_2 timing interval. A train of pulses is generated at the output. When A goes low at the end of T_3 timing interval, T_2 can no longer be triggered by T_1 . The pulse train ends when T_1 completes its last timing cycle.

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