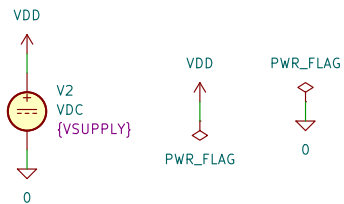


\*Charging time:  
 $-t/RC = \ln(1 - (V_{SUPPLY}/(2 * V_{SUPPLY}) - V_{CONTROL}))$   
 \*Discharging time:  
 $-t/RC = \ln(1 - (V_{CONTROL}/(V_{SUPPLY} + V_{CONTROL})))$   
 \*Upper threshold voltage:  
 $(V_{SUPPLY} - V_{CONTROL}) / (2 + V_{CONTROL})$   
 \*Lower threshold voltage:  
 $V_{CONTROL} / 2$



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**Title: PWM generator with analog control**

Size: A4 Date: 2023-04-07  
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Rev: 1  
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