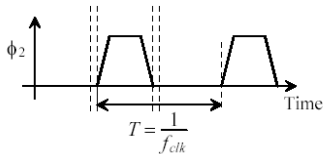
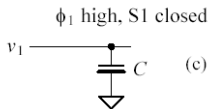
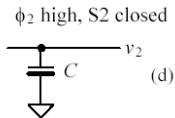


$$Q_1 = CV_1$$



$$Q_2 = CV_2$$



$$Q_1 - Q_2 = C(V_1 - V_2); \quad I = \frac{dq}{dt}$$

$$\Rightarrow I = \frac{C(V_1 - V_2)}{T} = \frac{(V_1 - V_2)}{R_{sc}} \Rightarrow R_{sc} = \frac{1}{C \cdot f_{clk}}$$