



C_{total}



MOM cap density $\approx 0.5 \text{ fF}/\mu\text{m}^2$

$$E_{CDAC} \approx CV^2$$

$$\tau_{CDAC} \approx R_{switch} \times C_{total}$$

$$E_{CDAC} \approx CV^2$$

$$C_{\sigma} \approx \frac{1}{\sqrt{C_{total}}}$$

$$V_{noise} \approx kTC$$