Table 1: Thermal noise of capacitors at 300 K ($\sim$27 °C)

Capacitance	$V_{\mathrm{rms}} = \sqrt{\frac{k_{\mathrm{B}}T}{C}}$	Noise charge $Q_n = \sqrt{k_{\mathrm{B}}TC}$ in coulombs	Noise charge in electrons
1 fF	2 mV	2 aC	13 e$^-$
10 fF	640 μV	6 aC	40 e$^-$
100 fF	200 μV	20 aC	125 e$^-$
1000 fF	64 μV	64 aC	400 e$^-$