48. The potential difference across the capacitor varies as a function of time t as $V(t) = V_0 e^{-t/RC}$. Using $V = V_0/4$ at $t = 2.0\,\text{s}$, we find

$$R = \frac{t}{C \ln(V_0/V)} = \frac{2.0\,\text{s}}{(2.0 \times 10^{-6}\,\text{F}) \ln 4} = 7.2 \times 10^5\,\Omega\ .$$